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# DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on  
Chemicals, Drugs, Colors, and Aromatics

VOL. XVII

NEW YORK, OCTOBER 7, 1925

No. 15

DYESTUFFS

INTERMEDIATES

PHARMACEUTICALS

Calco

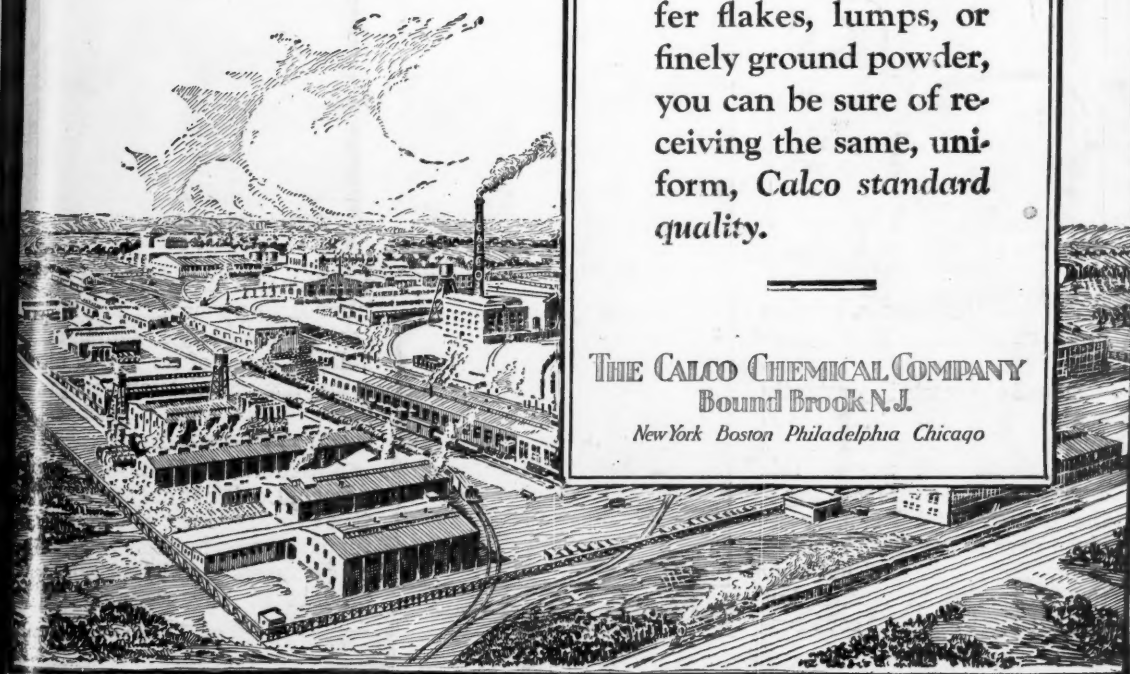
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In This Issue { Dr. Whitaker on Motor Fuels  
Germany Dumping Goods, Says Herty

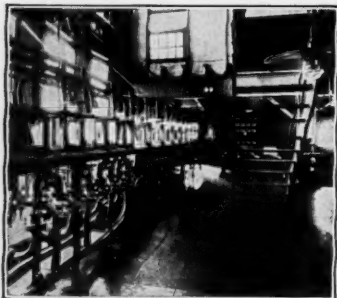
# Modern equipment that insures utmost economy and efficiency in alcohol production

**T**HE modern and extensive plants of the U. S. Industrial Alcohol Co. represent the highest development in alcohol producing equipment.

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Most of this equipment has been designed by the company's own technical staff, and built in the company's own workshops. Back of its construction are decades of experience.

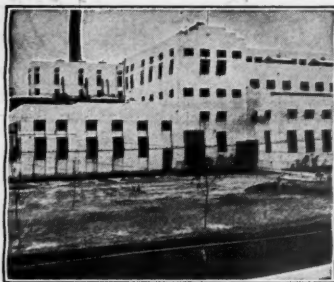
Not only is the greatest care given to the planning and con-



*Apparatus in which partly refined alcohol is tested*

struction of these plants, but also to their maintenance and operation.

A staff of experts is constantly engaged in the close study of the most efficient and economical arrangement and use of this equipment. An entire building—the Experimental Distillery—is given over to just such research work. Here is studied not only the production of alcohol but also the most complete conserva-

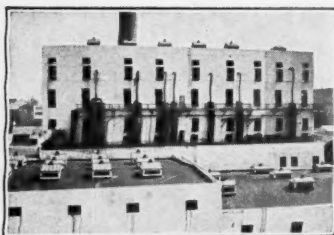


*One of the modern buildings of the Baltimore Plant*

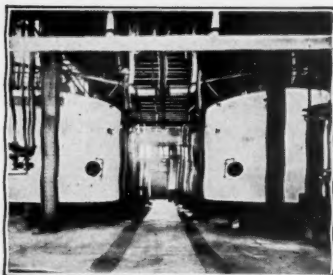
tion of by-products which can be utilized in other industries.

The methods and equipment proved most effective in this experimental building are then adopted in the company's various plants engaged in actual production for commercial distribution.

And in the latter every step in this manufacture from the crude



*Exterior of main distilling building*



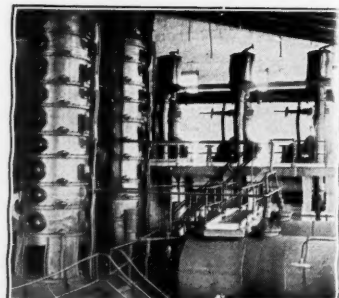
*Interior view—showing rows of alcohol stills*

molasses to the finished product is under the supervision of men long trained in their work.

Alcohol production is fortunately one of the industries that requires a comparatively small number of men to operate its equipment. But though the number of men needed is small, each of these men must be an expert in his particular duties.

The U. S. Industrial Alcohol Co.'s staff is thoroughly trained, thoroughly competent. Most of the employees have held their positions for years.

This company controls its supply of molasses. It owns the tank cars and ships needed to trans-



*Installation which purifies an alcohol by-product*

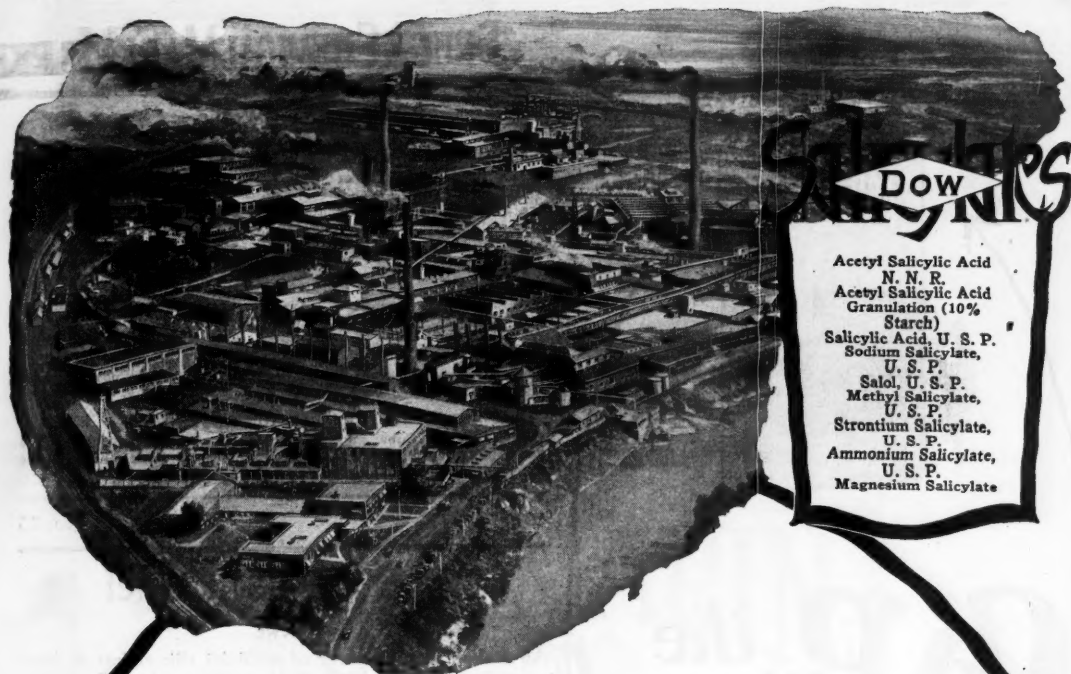
port this raw material. Its staff is unusually permanent, and highly skilled. And by designing and building much of its own equipment, this organization can produce alcohol with utmost efficiency and economy.

As a result, the U. S. Industrial Alcohol Co. is not only in a position to give prompt and uninterrupted service, but also to assure its customers the highest quality product at advantageous—and unusually stable—prices.

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VOL. XVII

No. 15

## The Week in Brief

### News

An Italian manufacturer of artificial silk claims to have produced a synthetic fiber product which is a substitute for rayon and will take the place of cotton and woolen goods for many uses.

Dr. Milton C. Whitaker, president, U. S. Industrial Chemical Co., discussing the future of alcohol motor fuels, says the technical problem of gasoline blends has been solved, but the tax problem is a stumbling block still.

Dr. Charles H. Herty accused German industrialists of dumping in United States markets dyes and textiles which were manufactured with money loaned by American bankers and of financing with these loans the propaganda movement to reduce the United States tariff so they can capture American markets.

The N. W. D. A. is discussing prohibition enforcement at the 51st annual convention of the Association at Detroit.

### Markets

Anhydrous ammonia prices break sharply, aqua unsettled. Tri-sodium phosphate higher. Copper sulfate and barium carbonate down. Glauber's salt unsettled. Potash carbonate up. New butyl alcohol prices. Sodium chlorate scarce. Tin salts higher.

Benzene down 1c gal. Solvent naphtha and xylenes scarce and quotations are nominal. Pyridine steady. G-salt in strong demand. Ortho-toluidine situation shows no change although recent low prices from first hands have been mysteriously withdrawn, but it appears that they can still be done.

Linseed Oil steady. Cottonseed oil lower. Chinawood oil steady. Coconut oil remains strong. Tallow advances sharply. Greases up. Lard oil higher. Neats-foot oil firm. Oleo oil easy.

Trading in fine chemicals has been less active but prices generally are steady and the market is regarded as firm. Codliver oil and quicksilver are easier.

Crude drugs have been in active trading with a number of price fluctuations due to suddenly developing scarcities and shortness of a number of new crops, following the protracted drought suffered in many areas this summer.

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Drug markets

# DRUG & CHEMICAL MARKETS

VOL. XVII

NEW YORK, OCTOBER 7, 1925

No. 15

## SYNTHETIC AMMONIA BRINGS PRICE WAR

The break in ammonia suddenly precipitated by a shifted source of supply by a large distributor followed by an attempt on the part of the producer to sell the market direct, is but the expected result of the introduction of commercial production of ammonia by synthesis. Where the present price war will drive prices is not known, but probably they will decline further some time in the future as plants are written off and the new process becomes still more efficient.

Ammonia at about half the former price should lead to increased uses, but probably one of the most far reaching effects will be on the price of ammonium sulfate. Crude ammonia liquor has declined from 9½¢ per pound in February to 5¢ with large surplus stocks that cannot be moved even at that price. Some factors predict a market of 2½ cents per pound for next year, if there is no radical change in the situation. At these prices ammonia liquor will soon be lower than the cost of transportation of a material that contains 80 per cent water. But the material must be disposed of, and the only thing left to do is to convert all the liquor into sulfate at the plant. Prices for large quantities of sulfate for this year are well below last year's levels, and from all indications there will be a further reduction by next year if the market does not crack from over-production in the meantime.

Sharply lower prices for aqua, for ammonium chloride and the entire list of ammonium salts are only a short way off. Cheaper ammonium sulfate means cheaper fertilizer, cheaper anhydrous ammonia means cheaper refrigeration. These are only two of the direct advantages of this chemical discovery that will benefit.

## CREDIT AND PRICE CUTTING

Price cutters often overlook the effect of their methods on their credit. The risk which wholesale drug houses and chemical manufacturers take is increased when retailers reduce the margin of profit on goods which they have bought on time. The advertised sales at cost, penny sales and similar efforts to raise money give the credit manager a feeling of apprehension and he is very likely to curtail a customer's credit. Doing business on a narrow margin of profit is deceptive because the returns may not be sufficient to meet expenses and

the retailer does not discover his mistake until too late. J. H. Tregoe, of the National Association of Credit Men, said recently:

"If one thing above another needs continued emphasis it is the courageous control of costs and sales on a proper margin of profit."

Frequent cut-price sales not only affect a firm's credit, but they often raise the question whether there are more dealers in a given locality than are needed, more than can distribute the goods at a reasonable profit. The reaction is the same in the mind of the credit manager who naturally restricts sales to reduce the risk to a minimum. Viewed from any point of view the practice is not based on sound business principles and sooner or later will bring embarrassment, if not disaster to the price-cutter.

## THE CHEMICAL EXPOSITION

For the man who took the trouble to look for them, the Tenth Exposition of Chemical Industries in New York was honeycombed with new things for chemical and associated manufacturers. To the casual observer, there appeared to be little which was different from previous Chemical Expositions, but many products were there, however, hidden away in obscure corners among the four hundred or so exhibits, which bid fair to have revolutionary effects in some branches of the chemical industry during subsequent years.

Any person who has stood in a booth during previous chemical shows, must have been impressed with the materially improved quality of the general attendance this year. During the afternoon sessions particularly, which in years gone by were frequently overrun by school children, the type of visitors showed that restrictions in the distribution of tickets accomplished the desired purpose. Afternoon crowds were reduced and the transaction of business was facilitated as a consequence. The distribution to exhibitors each day of a complete multigraphed list of all visitors who registered during the previous day, was also an innovation this year which called forth favorable comment.

From the angle of the chemical industry, this year's Exposition was an improvement over its predecessors. The large exhibit of rayon, the Court of Chemical Achievement showing developments in American chemistry, the numerous society and association meetings which were held more or less in conjunction with the show, all lent an atmos-

phere of progress and industrial co-operation. The Eleventh Exposition will be held two years hence, and in the interim, the 1925 Exposition, will undoubtedly be remembered in a far more favorable light than previous chemical shows.

#### AMERICANS CHANGING OCCUPATIONS

When one reads of the condition of business and the surplus or deficiency of labor he can better understand the unequal condition in trade in some sections or in certain industries compared with others, if he takes into consideration the vast changes in occupations followed by the people in the United States which are going on from year to year.

An analysis shows great increase in manufacturing and mechanical industries, followed logically by more than a thousand per cent gain in office help from bookkeepers to stenographers made necessary by the records that must be kept of corporation business. Mining also shows a gain in number employed, but farmers have lost steadily for 25 years. While a small part of the decrease may be due to improved farm machinery especially in the farm laborers, it is well-known that life on the farm has never been popular with the younger generation. What the radio, telephone, phonograph and automobile may do to restore the number producing farm products can be judged only as the years go by. Some part of the army of workers must return to the soil if the United States is to continue to support its population by raising its own food staples.

The Board of U. S. General Appraisers and the Customs Court are far behind in their work and the Assistant Attorney General in charge of customs has called upon business men to aid in disposing of protests by furnishing experts to testify as to the meaning of trade expressions on which many suits are based. The firms that have filed protests against tariff assessments will obtain decisions much sooner and the meaning of the law can be interpreted and a uniform practice established if men fitted for this work respond promptly. It is said that 100,000 cases are pending before the Board of Appraisers. Many of these are drug and chemical protests which are complicated, and men of technical as well as practical business experience are needed to make the language and terms understandable.

In England shoddy is being used by the farmers as a fertilizer for roots and other crops on account of the ammonia content. A sample is drawn by an official sampler who analyzes it and upon his report the farmer pays the dealer. In the United States they prefer to use shoddy in making clothing, but we never know the percentage of wool, water or ammonia, and we don't seem to care.

Chemical Industries Association of Japan is considering a second chemical industrial exhibition in Tokyo, in the Spring of 1926.

## WHO'S WHO— in the Chemical Industry

**Arthur E. Beggs**, pres., Beggs Bros., Inc., New York. Born: New York, 1880. Unmarried. Educat.: Boys' High School, Bklyn., N. Y. Business: Pres., Beggs Bros., Inc., and secy. and director of following companies: Nat'l. Sulphur Co., Fitch Advtg. Co., Springfield Advtg. Co., J. E. McMahon Advtg. Co., Hathaway Advtg. Co. Member: Montauk Club (secy. 1923 to date), Engineers Country Club (chmn., House Com. 1921 to date), St. Georges Golf Club (Stony Brook, L. I., N. Y.), Brooklyn Rotary, Merchants Assn. Hobbies: Golf and motoring.

**Silas Besthoff**, secy., Truempy, Faesy & Besthoff, Inc., New York. Born: Brooklyn, N. Y., May 9, 1899. Educat.: Commercial H. S., Brooklyn, N. Y. Business: 1914 to 1922, chemical importing and exporting; 1922 to date, Truempy, Faesy & Besthoff. Member: Upsilon Sigma Phi (past v. leader), Fortitude Lodge, No. 19 F. & A. M., Brooklyn (junior warden), Fortitude Fellowship Club (past pres.). Hobbies: Masonry and bridge.

**Sydney Buchanan Carragan**, export mgr., Takamine Corp., New York. Born: Brooklyn, N. Y., Dec. 8, 1886. Mar.: Ella Seaman, June 17, 1914. Educat.: Yale, A. B., 1909; Univ. of Michigan, L.L. B., 1911. Business: Guggenheimer, Untermeyer & Marshall, attorney 1911-14; secy., Bill of Rights Committee at N. Y. Constitutional Convention, 1915; with Takamine interests, 1915 to date. Member: Garden City Country Club, Zeta Psi and Phi Delta Phi fraternities, Masonic Lodge. Hobbies: Music and out-door sports.

**Theodore Thomas Gibson**, treas. and supt., Puritan Dye & Chemical Co., Northboro, Mass. Born: Detroit, Mich., Mar. 26, 1888. Mar.: Helen Marr Kidd, Pontiac, Mich., Aug. 11, 1914. Educat.: High school, Ann Arbor, Mich.; Univ. of Mich. (B.S.), 1913. Business: Chemist, Merck & Co.; Chemist, Hooker Electrochem. Co.; dept. supt., Federal Dyestuff & Chem. Corp., 1917-18; asst. supt., Electrochem. Plant, Monsanto Chem. Wks., 1918-21; treas., Puritan Dye & Chem. Co., 1921 to date. Park Commissioner, Northboro, Mass. Member: Amer. Inst. of Chemical Engineers. Hobbies: Fishing and tennis.

**Paul Hamilton Stetson**, broker. New York. Born: New York, May 14, 1880. Mar.: New York, June, 1911. Educat.: St. Austin's School, Staten Island, N. Y., 1892-97. Business: Mortimer & Wisner, (clerk), 1904-12; Wisner & Stetson, (junior member), 1912-22; since death of W. T. Wisner in 1922 has carried on business under name of Paul H. Stetson. In U. S. Navy, 1898. Engaged in special Government work, 1917-18. Member: N. Y. Yacht Club. Hobbies: Fishing, hunting and sailing.

**Byrd Walker**, pres., White Tar Co. of New York; pres. White Tar Co. of N. J. Born: Marshall, Va., Oct. 18, 1868. Mar.: Loula Reid, Luray, Va., Oct. 9, 1907. Educat.: Virginia public schools until 14 yrs. of age. Business: J. M. Ramey & Co., Marshall, Va., 1882-85; A. Klipstein & Co., New York, 1885-1909; White Tar Co., pres., 1909 to date. Member: Newark Athletic Club, Upper Montclair Country Club, Forest Hill Club, Drug & Chemical Club, N. Y. Southern Society. Hobby: Golf.

# The Future of Alcohol Motor Fuels

*With Technical Problem of Gasoline Blends Solved, the Alcohol Tax Habit Remains a Stumbling Block*

By MILTON C. WHITAKER, President, U. S. Industrial Chemical Co.

ALCOHOL motor fuels have been discussed more frequently and from more angles than any other subject of corresponding industrial importance. No symposium on fuels is complete without a paper on alcohol. Notwithstanding the fact that the position of alcohol in the scheme of motor fuels is now comparatively clear, the subject still forms the basis for an enormous number of verbal balloon ascensions. The problem is also inviting for discussion from the standpoint of its catch-word by-products, such as conservation of waste, farm relief, trust busting, transportation, self-dependence of the farmer, social reform, etc.

As a result of much statistical study and scientific research, the position of alcohol in the scheme of motor fuels has become very clear and may be divided, for the purpose of this brief discussion, into three headings: 1st—Technical, 2nd—Economic, 3rd—Sociological.

The simplicity of the problem was not apparent at the beginning of the researches on motor fuels, but has been clarified as a result of the investigations carried out in the past few years, particularly in Germany, France, England and the United States.

The present statistical position of alcohol in the scheme of motor fuels, so far as the United States is concerned may be illustrated by the following approximate figures: Total production of gasoline, 1924, 8,960,000,000 gallons; total production of alcohol, 1924, 71,000,000 gallons. Ratio of alcohol production to gasoline production, 1 to 125.

It should be noted in considering this comparison that practically all of the alcohol produced above was required to meet industrial needs leaving little if any residue (147,000 gallons in 1924) for motor fuels.

The demand of the industries and for motor anti-freeze will naturally assert itself against any use of alcohol for motor fuels. In other words, in any consideration of alcohol for motor fuels the industrial needs for alcohol must come first. It seems clear, therefore, that alcohol motor fuel must be limited to the surplus over and above that required to meet the industrial demands.

The use of surplus alcohol in motor fuels was given intensive study especially when war capacities indicated a large over-supply. Official commissions particularly in France and England and private investigators in the United States applied themselves to this problem.

Statistics of the maximum production of alcohol under present conditions as against the total consumption of motor fuels in all of these countries established the uniform conclusion that alcohol could not hope to re-

place gasoline but at most could only be used to supplement the gasoline supply by being blended therewith, and that the amount of alcohol available, or in sight, was a very small fraction of the total amount of motor fuel used.

The investigators in the United States anticipated the official commissions in Europe by two years in reaching the conclusion that motor alcohol, to be feasible at all, must be put out in some form readily blendable with gasoline. It was well known that ordinary 95% alcohol was not miscible with gasoline without the use of expensive homogenizers but that anhydrous alcohol (99 to 100%) would mix with gasoline in all proportions.

The problem of producing large quantities of anhydrous alcohol must, therefore, from any sound economic standpoint, be solved as a preliminary to the production of alcohol-gasoline blends. Having clearly established the necessity of making anhydrous alcohol in commercial quantities, the research program was launched and finally resulted in a continuous process of distillation yielding anhydrous alcohol in large volume and at a minimum cost.

Interesting confirmation of our analysis of the fuel alcohol problem and conclusions was forthcoming in due course from both the British and French official commissions created to study this subject, when they announced, in effect, that the most feasible method of utilizing alcohol in motor fuels was in the form of a simple blend of anhydrous alcohol with gasoline, or

other available hydrocarbons. In the meantime, Americans were doing that very thing and extensive tests were long since carried out in the actual use of such fuels in motor cars, motor boats, aeroplanes, block tests, etc. The merits and faults of alcohol-gasoline blends were established and the position of such fuels fixed in the scheme of things.

The composite fuels made simply by blending anhydrous alcohol with gasoline have been given most comprehensive service tests extending over a period of eight years. Hundreds of thousands of miles have been covered in standard motor car, tractor, motor boat and aeroplane engines with highly satisfactory results. With intelligent adjustment of compression and feed to capitalize the advantages inherent in alcohol blends they easily excel gasoline on every point important to the motorist. The superiority of alcohol-gasoline fuels is now safely established by actual experience.

The future of alcohol motor fuels is largely an economic problem. It involves the relations between cost

*That the gasoline supplies of the nation will not last forever, is a foregone conclusion. Alcohol, or some similar inexhaustible product, must eventually replace petroleum fuels. One of the leaders in the development of methods for producing alcohol-gasoline blends, and straight alcohol fuels for internal combustion engines, is Dr. Whitaker. His paper on the motor fuel situation and the possibilities of alcohol at the American Chemical Society symposium held Sept. 29, 30, and Oct. 1 at the Chemists' Club, New York, gives a clear summary of the situation.*

—The Editors.

of alcohol and the cost of gasoline. The cost of alcohol is necessarily linked with the question of cost and available supply of raw materials. As gasoline becomes scarce an economic balance is bound to be established between the price of gasoline, the price of alcohol and the price and the resultant supply of raw materials. As this economic balance is approached, alcohol will doubtless be used in the making of motor fuels.

The habit of taxing alcoholic beverages exists in all civilized countries. It is so firmly entrenched that it even survives changes in the form of government. In the process of national development, when alcohol is produced for industrial purposes, the program of beverage taxation is invariably extended to alcohol itself, even though the product, as such, is not fit for use as a beverage. Industry, in its struggle for self-preservation, finally locks horns with the beverage-taxing habit in order to obtain relief from discriminatory taxation on a commodity essential to its existence. While industry may succeed in securing taxfree alcohol for industrial purposes, it is never relieved from the bureaucratic theory that alcohol owes the Government a tax, or from restrictions based upon that theory, which in some countries amounts almost to a nullification of the relief from tax.

In the United States the struggle between industrial needs and the beverage-taxing habit received a measure of relief in the passage of the taxfree denatured alcohol act less than twenty years ago. The beginning of the industries for making and using alcohol for industrial purposes may be said to have begun in the United States at that time.

While our Government has been liberal, as governments go, in the extension of the tax exemption to industrial alcohol it must be said that the right of tax relief has been granted grudgingly and the manufacture and use of industrial alcohol has been hampered by many expensive restrictions. These restrictions have been recently increased by the advent of a great social experiment known as prohibition. A substantial proportion of the cost of prohibition is already being loaded on to the alcohol producing and using industries,—and the proponents of this social reform are insisting that they be permitted to load it more,—and this at the very time when both the industries using alcohol and the economics of the fuel problem demand that that commodity be cheaper.

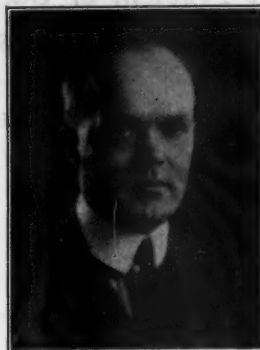
To sum up the alcohol fuel situation, we feel that the three problems,—technical, economic and sociological,—stand about as follows: The technical problems have been solved by the chemical and automotive engineers. We can accordingly deposit the "fuel alcohol baby" upon the door-step of the economist and social reformer with full confidence that our obligation has been well performed. There are no technical difficulties remaining, either in the making of an alcohol suitable for fuel blends or in the use of the fuels made therefrom. The problem is now solely one of suitable economic conditions and one of public will.

Butyl alcohol and methanol exports from Germany to this country are not available in detail, according to Consul General F. T. F. Dumont, Berlin, but recent shipments from the Frankfort consular district are as follows: April 1, to June 30, 123,102 lbs. of butyl alcohol, and 180,947 gallons of methanol; July 1, to Aug. 1, 460,735 lbs. of butyl alcohol, and 56,837 gallons of methanol.

Pennsylvania Salt Mfg. Co., Philadelphia, has been awarded a government contract for 40,000 pounds of lump alum at 1,725c lb. They will also supply 65,000 pounds caustic soda for the Air Service at 3.35c lb.

## JOHNSON HEADS SALESMEN'S ASSOCIATION

Elias A. Johnson, manager of the New York branch of Monsanto Chemical Works, has been elected president of the Salesmen's Association of the American Chemical Industry for 1925-26. He succeeds F. P. Summers of Noil Chemical & Color Co., New York. Mr. Johnson has been New York branch manager for Monsanto for the last two years. Prior to that time, he was with National Aniline & Chemical Co. in New York and the Middle-West for four and a half years.



Other officers elected by the Salesmen's Association for the coming year, are:

First vice-president, Benjamin Hotchkiss of Hooker Electrochemical Co.; second vice-president, William A. Thompson of Sherwin-Williams Co.; third vice-president, R. S. Bosworth of Calco Chemical Co.; secretary, William H. Adkins of Burton T. Bush, Inc.; treasurer, Robert Quinn of Mathieson Alkali Works; board of governors (for three years), Ralph Dorland of Dow Chemical Co.; Williams Haynes of "Drug & Chemical Markets."

## UNION CARBIDE HONORS M. T. HERRICK

Union Carbide and Carbon Corp. elected Myron T. Herrick, American Ambassador to France, honorary chairman of the Board of Directors last week, at a meeting in New York. George O. Knapp, former president of the corporation, was elected chairman and Jesse J. Ricks, former vice-president, was elected president. M. J. Carney and G. W. Mead continue as vice-presidents.

The board accepted the resignation of E. E. Price as vice-president. A resolution was adopted recounting his thirty years of active management of the company and its subsidiaries. Although retiring as an active officer, Mr. Price will continue in a consulting and advisory capacity. Mr. Price recently returned from Norway where he made arrangements for the purchase of Aktieselakabet Saudefaldens, a paper company, by Union Carbide & Carbon Corp. The power plants are located on the southwest coast of Norway at Sauda, where the large smelting plant of Electric Furnace Products Co., a subsidiary of Union Carbide Corp., is located.

## SPEND \$3,000,000 FOR FERTILIZER

(Special to Drug & Chemical Markets)

New Orleans, La., Oct. 7.—The executive committee of the Mississippi Farm Bureau Federation met at Jackson recently, to arrange for purchasing fertilizer. Farmers purchase in the Fall, when they haul cotton to market. There is a demand for 1,000 to 1,500 tons of nitrate of soda to be delivered in October.

The local bureau of the Federation has requested the State organization to obtain prices on nitrate and acid phosphate. Many thousands of tons of acid phosphate, nitrate, kainit, muriate of potash and mixed fertilizers, valued at \$3,000,000, have been distributed by the Federation. The saving by buying in large quantities was estimated at nearly \$1,000,000.



# Industrial Chemical SECTION



## Over 60,000 Attend Chemical Exposition

**More Than 12,000 Technical and Business Representatives of Chemical Process Industries Registered at Show—Rayon and Lacquers Shown to be Outstanding Chemical Developments of Last Few Years—This Year Saw More New Products and Machines Exhibited Than Ever Before—Society Meetings Hear Numerous Papers on Chemistry in Industry—600 Attended Chemical Industries Dinner—Senator Wadsworth Chief Speaker**

More than sixty thousand persons attended the Tenth Exposition of Chemical Industries, held last week at the Grand Central Palace, New York. Of the 60,000, more than twelve thousand registered as representatives of some branch of the chemical process industries. Visitors from all parts of the world attended, registration cards showing addresses in China, India, South America, Canada, and a number from European countries. Exhibits covered three floors of the Grand Central Palace, numbering something less than four hundred. Exhibits from a number of United States Government departments were included.

A survey of the Exposition revealed a great number of new ideas in products and equipment, a greater number perhaps than at any previous Chemical Exposition. The exhibits covering the rayon industry and the raw materials for the lacquer field, however, showed these to be the two outstanding developments of chemistry during recent years. Chemistry as a part in modern warfare received considerable attention in several types of exhibits. Dyestuffs, rubber accelerators, synthetic resins, plastics, glass, alloys, and rare metals were among other things which played prominent parts at the show.

A dozen or more societies and organizations of the chemical and allied industries held meetings during the week at the Grand Central Palace or in near-by buildings. Numerous papers were read by authorities in their respective fields. Leaders in the chemical field also addressed a gathering of several hundred college students, who were present at the show attending a one-week intensive course in the practical side of chemical engineering. Over twenty colleges were re-

presented in the group. A symposium on motor fuels was held by the American Chemical Society during the week at which all sections of the society east of the Mississippi River were represented.

### *Echoes of the Exposition*

The extent to which the manufacture of fabrics from rayon and rayon combinations has expanded during the last two years, was a revelation to many chemical manufacturers who visited the rayon exhibit. The extent to which chemicals enter into the various processes of rayon manufacture revealed at least one field of growing opportunity for manufacturers of chemicals.

The National Museum at Washington has requested that the display of the Commercial Solvents Corp. showing the channels into which butanol, acetone, and other solvents go, be sent there for permanent exhibition. Where the goods of forty lacquer manufacturers were shown, made from these raw materials, this year, two years ago none were on display at the chemical show.

A new type of filter which bids fair to revolutionize filtration processes of the future, was shown for the first time at the Exposition. No plates, no cloths, no screens, only a small centrifugal which could be lost in a corner of the ordinary filter press,—a new idea and capable of delivering over a ton an hour of pulp as dry as any ordinary press with the added advantage of continuous operation. May be the filter press people are going to have their little "synthetic methanol" episode as well as the wood chemical industry.

One trip through the chemical show is enough proof that hand labor in the chemical process industries is slowly but surely being forced out, just as it was in the textile mills during the industrial revolution in England seventy-five years ago.

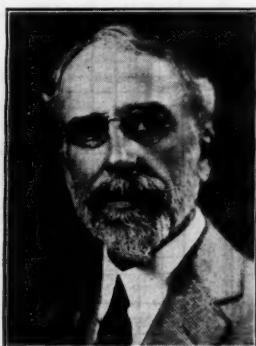
What would the mediaeval monks, who debated violently how many angels could dance on the point of a needle, say if they could see a round disc of platinum,

(Continued on page 992)



SENATOR JAMES W.  
WADSWORTH, JR.

*Speakers at Chemical Industries Dinner*



LAWRENCE ABBOTT



CHARLES F. ROTH



FRED W. PAYNE

*Co-managers of the Chemical Exposition*

## The Heavy Chemical Market

Chemical Current Spot Quotations for Heavy Chemicals, see pages 1002-1020

### ANHYDROUS AMMONIA SLASHED TO 16½c LB.

Aqua Will Follow—Entire List of Derivatives Will be Affected—Butyl Alcohol Sharply Lower—White Ammonium Chloride in Price War—Copper Sulfate Down—Sodium Prussiate Shaded Again—Barium Carbonate at New Low—Tin Salts Higher—Potassium Carbonate Recovers—Sodium Nitrate Higher

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Pot. Carbonate, 80-85% ¾c lb. Tin Bichloride, 50% sol., ¾c lb.  
Sodium Nitrate, Crude, 3c 100 lb. Tin Crystals, 1¼c lb.  
Sodium Tri-Phosphate, ¾c lb. Tin Tetrachloride, ¾c lb.

#### Declined

Alcohol Butyl, 1.3c lb. Barium Carbonate, \$1.00 ton.  
Ammonia Anhydrous, 13½c lb. Copper Sulfate, 15c 100 lb.  
Amm. Chloride, White, ¾c lb. Sodium Prussiate, ¾c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acetic Acid, Glacial .lb.\$	.10	.10	.10	.11	.19½	.07
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	14.00	15.00	10.00
Ammonium Sulfate, 100lbs.	2.95	2.95	2.75	2.55	7.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.90	4.50	1.40
Copper Sulfate c/l, 100lbs.	4.45	4.60	4.45	4.60	20.00	4.60
Potash, Caustic, Imp., lb.	.07½	.07½	.07½	.07	.87	.08
Soda Ash, 58 p.c. 100lbs.	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c. 100lbs.	2.66	2.66	2.66	2.66	0.50	1.42
Potassium Bichromate, lb.	.09½	.08½	.08½	.08½	.65	.06½
Sodium Prussiate Imp., lb.	.10	.10½	.10½	.09½	1.25	.18

Average ..... 2.918 2.941 2.906 2.906 10.79 2.99

The break in the price of anhydrous ammonia, which occurred about ten days ago and was kept very quiet, is the most important price change that has been recorded for some time. Aqua ammonia prices are unsettled and will decline shortly, and ammonium sulfate, ammonium chloride and the entire list of ammonia derivatives will be seriously affected in the near future. The decline was made possible by the low cost of synthetic material, but was precipitated by a large distributor changing his source of supply and the manufacturer, who was cut off from his outlet, attempting to get the business direct by cutting prices.

Business in the general line of heavy chemicals was along routine lines during the week and some prices were shaded. Sodium prussiate has declined again, and white ammonium chloride is lower, due to a price war. Butyl alcohol has been reduced sharply by the manufacturer following the lower grain markets. Tin salts have been advanced by makers with the higher market for the metal. Sodium tri-phosphate was advanced ¾c lb by leading makers on Oct. 1. Sodium nitrate is selling higher on the October schedule.

**Acid Formic**—Situation unchanged and importers are reporting a good demand but spot stocks are large and quotations are given at 10¼c@11c lb.

**Acid Oxalic**—Spot market firm at 11c@11¼c lb for imported material, and 10¼c@11c lb for domestic. Shipment is easier at 10½c lb due to a weak market abroad.

**Alcohol Butyl**—Domestic manufacturer has reduced prices sharply for October delivery owing to recent

weakness in the grain markets. Quotations on contract at works are: Tank cars 22.7c lb; carlots of drums 23.2c lb; less than carlots 22.7c lb. Spot prices are 1c above contract prices.

**Ammonia Anhydrous**—Prices have declined sharply from 30c lb to 16½c lb at New York, and similar reductions have been made throughout the rest of the country. The reduction has been caused by a large distributor changing his source of supply, and the manufacturer that formerly supplied him attempting to regain the business direct by slashing prices. The break occurred about 10 days ago but was kept very quiet.

**Ammonia Aqua**—Market very unsettled and weak with no definite schedule of prices as yet in force.

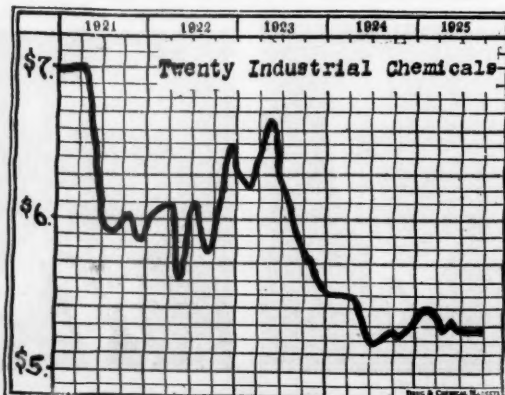
**Ammonium Chloride**—White material is the subject of a price war among large importers and spot material is offered lower at 5¼c lb ex-warehouse, and 5¼c@5½c lb ex-dock from shipments arriving. Large sales of material for shipment are reported sold at 5¼c lb and offerings are still made at this price. Imported gray material is weak on spot at 6¼c lb. Domestic quotations are firm and unchanged.

**Barium Salts**—Chloride barely steady on spot, and although goods are quoted quite generally at \$58.00@ \$60.00 ton on spot, some material was offered during the week at \$56.50 ex-dock, and in some instances goods ex-store went at \$57.00. Carbonate is very weak and lower prices are quoted at \$44.00 ton with indications that as low as \$43.00 might be possible on firm bids.

**Copper Sulfate**—Very slight movement reported in this material and prices are lower owing to the large stocks on hand. The Fall demand has not been of satisfactory proportions as yet and makers quote large crystals at \$4.45@4.50 100 lbs, and small and unscreened crystals at \$4.30 100 lbs.

**Glauber's Salt**—Imported material higher at 90c 100 lbs Domestic market rather unsettled and although some makers report a sold-up condition, others have plenty of material available and claim that prices are not very stable.

**Potassium Carbonate**—Heavy buying on spot advanced the market for 80-85% calcined material to 5¼c



@6c lb. Importers quote other grades as follows: 80-85% hydrated 5½c@5¾c lb; 90-95% calc. 6c@6¼c lb; 96-98% 6¼c@6½c lb; 99¼ 7½c lb.

**Potassium Prussiate**—Spot market quiet but firm and quotations remain unchanged at 18¼c@18½c lb. Shipment of imported goods is offered at 18c lb.

**Sodium Nitrate**—Crude material higher on October schedule and spot goods and shipment are firm at \$2.55 100 lbs. November shipments are quoted at \$2.59. Refined material firm and quotations are unchanged.

**Sodium Prussiate**—Market easy and offerings are plentiful. Prices have been shaded again and domestic and imported goods are available at 10c@10¼c spot as to quantity. Nothing definite has been announced as to contract prices for next year.

**Sodium Tri-Phosphate**—Leading makers have advanced their prices and quote carlots at works at \$3.90 100 lbs. Less carlots are offered at prices ranging up to 4¼c lb.

**Tin Salts**—Prices advanced by makers for October delivery owing to the higher market for the metal. Quotations are given at 41c lb for crystals in barrels, and 41½c lb in kegs; 34c lb for tetrachloride in barrels; 16¾c lb for 50% solution of bichloride in drums.

### METHANOL OUTPUT IN U. S. INCREASES

Monthly statistics showing the production of methanol by plants in the United States and Canada have been inaugurated by the Department of Commerce. The following table shows figures for each month from April to August, 1925, inclusive, and comprises the following grades of methanol: 95% refined methanol, 97% refined methanol, pure methanol, C. P. methanol and denaturing grade methanol.

Methanol (in gallons) UNITED STATES					
CRUDE			REFINED		
Yr. and mo.	Purchased	Consumed	Stocks (end mo.)	Produced	Stocks (end mo.)
1925					
April	430,377	579,388	1,785,550	474,701	717,853
May	390,831	585,574	1,869,327	416,227	715,100
June	336,740	477,756	1,461,989	376,040	669,861
July	395,882	643,148	1,543,373	394,207	554,261
August	435,423	619,463	1,468,540	525,683	575,492
CANADA					
April	—	37,928	65,643	36,680	68,477
May	—	29,128	58,648	27,965	50,244
June	—	17,493	55,475	16,793	51,551
July	—	22,941	42,944	22,000	52,459
August	—	—	42,077	—	32,007

### HEAVY CHEMICALS FIRMER IN HAMBURG

(Special Cable to DRUG & CHEMICAL MARKETS)

Hamburg, Germany, Oct. 7—Trading is dull and heavy chemical prices remain practically unchanged from last week's quotations. The market is slightly firmer on sodium sulfide, zinc chloride, zinc oxide, lithopone, naphthalene, caustic soda, paraffin wax and sugar of lead.

Blue vitriol is lower. Oxalic acid is weak.

Miner-Edgar Co., New York, has elected Dr. Henry V. Walker, of Newark, N. J., president and general manager; Henry M. Miner, treasurer and chairman of the Board of Directors, and Harold T. Edgar vice-president.

Wing & Evans, New York, will supply the Department of Agriculture, Washington, with 25,000 pounds of calcium chloride at \$1.65 per hundredweight.

Philadelphia Quartz Co., Philadelphia, will build a plant for making silicate of soda at St. Louis, at a cost of \$250,000.

### GERMAN CHEMICAL MERGER COMPLETED

New Capitalization of Combined Seven Companies 600,000,000 Gold Marks—Plan Includes Manufacturers of Dyes, Nitrogen, Pharmaceutical and Photographic Products and Artificial Silk

(Special Cable to DRUG & CHEMICAL MARKETS)

Berlin, Germany, Oct. 7—The long-pending chemical merger of German companies manufacturing dyes, nitrogen, pharmaceutical and photographic chemicals and artificial silk has been completed. Badische Anilin und Sodafabrik will increase its capital to about 600,000,000 gold marks and will take the name of Interessengemeinschaft der Farbenindustrie Aktiengesellschaft. Included in the merger are Friedrich Bayer Co. of Leverkusen, Aktiengesellschaft fuer Anilin Fabrikation of Berlin, Farbwerke Hoechst, Elbersfelder Dyes, Griesheim Electron, Weiler ter Meer.

Professor Bosch of Badische Aniline und Sodafabrik will head the new Board of Control. Many plants will be moved to points where lignite is available for fuel.

Negotiations between Germany and Japan for an understanding regarding the markets in the Far East will have an important bearing on the battle for world markets, affecting manufacturers in the United States, England and France who now share in the trade of Japan and China but may be shut out if Japan agrees to Germany's trade proposition.

### PRODUCED 855,338 TONS SULFURIC ACID

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Oct. 7—Fertilizer manufacturers during the first half of 1925 produced 855,338 tons of sulfuric acid and consumed 971,984 tons in the manufacture of 1,800,226 tons of acid phosphates containing 30,142,960 units (of 20 lbs.) of available phosphoric acid, according to the Department of Commerce. The production of sulfuric acid by fertilizer manufacturers was thus equal to 88 per cent of their total consumption. Acid phosphates sold as such amounted to 1,352,868 tons, containing 22,263,105 units of available phosphoric acid; and 1,203,272 tons, containing 19,414,885 units, were consumed in the manufacture of other fertilizers.

Bids to supply 40,040 pounds of soda ash for delivery at Quantico, Va., have been received by the Quartermaster, United States Marine Corps, Washington, D. C., as follows: Mathieson Alkali Works, New York, 1.79c per pound; Mackall Bros., Washington, D. C., 1.77c; Maryland Chemical Company, Baltimore, 1.84c; Sterling Supply Corp., Philadelphia, 1.82c; Sunshine Soda Co., New York, 1.82c.

A suit for \$15,000,000 against Aluminum Co. of America, brought by George D. Haskell, president of Bausch Tool Co., Springfield, Mass., charges conspiracy in restraint of trade and maintenance of a monopoly, in that it owns the deposits of ore from which aluminum is made.

Federal Trade Commission has filed a complaint against Aluminum Co., of America, owned by Andrew W. Mellon, Secretary of the Treasury, and his brother, charging that the business is a monopoly. The company has made a general denial.

Dr. Alexander O. Gettler will speak on the "Role of Chemistry in Criminology" at a meeting of the Societe de Chimie Industrielle which will be held in the Chemists' Building, New York, Oct. 9.

## The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals pages 1002-1028

### BENZENE DOWN; PYRIDINE REMAINS FIRM

**Phenol Quiet—Cresylic Acid Steady—Solvent Naphtha and Xylenes Scarce—Para-Nitroaniline Firmer—Ortho-Toluidine Low Prices Withdrawn by First Hands—Although the Situation Shows No Improvement—G-Salt in Heavy Demand.**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
No Advances
Declined
Benzene, Pure, 1c gal.
90%, 1c gal.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure ..... gal.	\$.24	\$.25	\$.25	\$.25	\$1.10	\$.25
Naphthalene flake ..... lb.	.04½	.04½	.04½	.05	.16	.03
Phenol Spot ..... lb.	.21	.21	.22	.25	1.50	.08
Toluene ..... gal.	.26	.26	.26	.26	..	..
Aniline Oil ..... lb.	.16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine ..... lb.	.35	.35	.35	.35	1.28	..
Benzaldehyde ..... lb.	.70	.70	.70	.70	..	..
Betanaphthol ..... lb.	.24	.24	.24	.26	1.50	.08
Dimethylaniline ..... lb.	.32	.32	.32	.35	1.80	..
Paranitroaniline ..... lb.	.57	.57	.57	.68	1.68	.18
Average .....	0.310	0.311	0.312	0.331	..	..

The large differential in prices of motor benzene and pure products combined with the gradual decline in the demand for motor benzene from fuel blenders finally had its effect on the prices of pure products when leading distributors lowered their quotations on Oct. 1 in an effort to place more of their material in the pure market. Some factors claim that this is only the beginning and that further reductions will follow. Solvent naphtha and xylene prices continue nominal as factors are finding difficulty in fulfilling the demand from their regular trade. Phenol is moving slowly but prices are firm. Pyridine is quiet.

Intermediates remain in unchanged positions for the most part and makers are maintaining their schedules under a steadily increasing demand. Para-nitroaniline is in heavy demand and supplies are short at the moment. Ortho-toluidine was apparently in no better position than previously, although recent low quotations were not being given openly, and factors claimed that the material had been absorbed. Indications were that low prices could still be done.

#### Crudes

**Benzene**—Leading distributors have lowered their quotations 1c gal. Oct. 1 and quote 90% in tanks at mills at 23c gal., and pure at 24c gal. in tanks. Factors report a fair industrial demand but the weak condition of the gasoline market combined with decreasing consumption of gasoline will probably weaken the market still further in the near future.

**Cresylic Acid**—Low-priced sellers remain in possession of large spot stocks and drums of 97-99% pale acid are offered at 54c gal. Demand is satisfactory.

**Naphthalene**—Market weak and quotations are still

open to shading due to the large stocks on hand in the dull season.

**Phenol**—Only a slight demand is reported but makers are maintaining their quotations in all transactions.

**Toluene**—Steady conditions continue to prevail in this market and distributors report no difficulty in promptly fulfilling all requests, but no accumulations of supplies are reported. Quotations are unchanged.

**Solvent Naphtha**—Quotations are nominal in all directions since distributors are not able to care of more than their regular trade.

**Xylene**—Supplies are restricted to regular consumers by distributors who are experiencing difficulty in fulfilling demand from contract customers. Quotations are unchanged but nominal.

#### Intermediates

**Acid N & W**—Firm condition continues in all quarters and makers report a slight increase in demand.

**Alpha-Naphthylamine**—Market steady at unchanged prices and a fair sized volume of material is reported to be moving.

**Aniline Oil**—Contract withdrawals are reported to be of increased dimensions and the situation remains firm in all quarters.

**Dinitro-Benzene**—Easy situation is reported although consumers are buying in moderately large quantities. Makers quote recent prices.

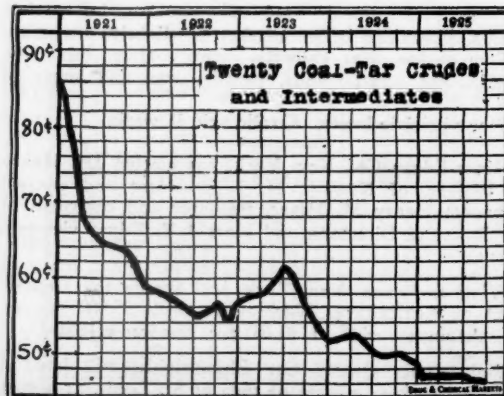
**G-Salt**—Greatly increased demand reported by makers who quote firm prices of 51c@53c lb as to quantity.

**Meta-Phenylenediamine**—Steady conditions prevail in this market due to a demand about equal to production.

**Meta-Toluylenediamine**—Market firm at 73c@77c lb as to quantity. Material is moving in slight volume.

**Nitrobenzene**—Makers are maintaining their quotations in all directions and stocks are not of more than comfortable proportions.

**Ortho-Nitro-Toluene**—Situation easy due to the small demand and the unsettled condition of the ortho-tolui-



dine market. Open quotations are given at 15c lb but shading of these levels appears possible.

**Ortho-Toluidine**—Situation shows little change except that recent low quotations from first hands to trade papers have been mysteriously withdrawn, with some factors saying that the material is still available and then claiming that it has been absorbed. There is nothing on the surface to indicate that the situation has improved. Open quotations are given by makers as low as 20c lb in tank cars, and 23c lb for single drums. Other makers quote prices as high as 24c@26c lb. There appears to be no doubt that recent low quotations would be accepted for fair sized orders.

**Para-Nitroaniline**—Situation much firmer due to lake makers absorbing material faster than was anticipated, and a temporary shortage exists. Quotations are unchanged from leading markets.

**Para-Toluidine**—Large stocks continue to hang over the market and, although open quotations are unchanged, material has changed hands as low as 55c lb. Makers quote 61c@65c lb.

#### TO FIX STANDARDS FOR FAST COLORS

##### Converters' Association, Trade Commission and Commerce Department Hold Conference

Fast colors were discussed by representatives of the Converters' Association, National Association of Finishers of Cotton Fabrics, the Federal Trade Commission, Department of Commerce and Laundry Owners' National Association at a meeting last week, in an effort to establish standard tests by which the fast color terms may be defined. It was proposed to use a standard tag stating the colors used in cloth to which the tag may be attached. The tags would set forth whether the merchandise is fast to washing, fast to sunlight, or both. No further action on this angle of the problem will be taken, however, in advance of the preliminary requisite of establishing standards of test by which such terms might be adequately defined.

A resolution was adopted approving the appointment of a committee of five to compile standards for fastness of colors. The committee will comprise one representative of the Converters' Association, one member of the Association of Cotton Textile Merchants of New York, two representatives of the National Association of Finishers of Cotton Fabrics and one representative of the Laundry Owners' National Association.

Among the various proposals discussed were several that favored action of an extreme nature as the only way to cope with the problem. Actual governmental regulation was recommended by one of the important mill men who handles a well known finished product.

##### GERMANY PUTS EMBARGO ON ANILINE DYES

The German embargo against importation of chemical products that compete with German goods became effective Thursday, Oct. 1. Among the items listed are raw aluminum, potash and aniline dyes. The embargo on dyes is aimed against France and the United States which are making products of a quality and at a price which prove attractive to German manufacturers. Indigo, red lead and morphine, flavoring extracts and celluloid are also listed.

C. A. Bartle, of the sales staff of the dye intermediate and accelerator department of E. I. du Pont de Nemours & Co., has transferred his activities from New York territory to Chicago. J. M. Hoops of the New York office will take over Mr. Bartle's territory, and W. R. Ritz will cover Mr. Hoops' territory.

##### GRASSELLI DYE SALES TAKEN OVER

BY GENERAL DYESTUFF CORP.

**Consolidation of Dye Sales in Hands of Metz Organization Oct. 1—Grasselli to Continue Manufacture at Albany and Rensselaer—Bayer Products to Be Sold By General Dyestuff**

Sales for Grasselli Dyestuff Corp., New York, manufacturers of dyestuffs and American sales agents for Farbenfabriken vorm. Friedk. Bayer & Co. of Leverkusen, were taken over by General Dyestuff Corp., New York, effective Oct. 1. The complete staff of the Grasselli organization will join General Dyestuff forces. Temporarily, the offices of Grasselli at 117 Hudson st., New York, will be maintained for the completion of existing orders and contracts. Eventually, the offices will be combined, probably at the building of General Dyestuff Corp. Herman A. Metz is president of General Dyestuff Corp.

The plants of Grasselli Dyestuff Corp. at Albany and Rensselaer, N. Y., will continue to operate under Grasselli direction, but the products will be sold by General Dyestuff. Herman A. Metz is president of General Dyestuff Corp.

This consolidation was fully expected in the trade and was mentioned several months ago in "Drug & Chemical Markets." It is pointed to as another step in the consolidation of sales interests for German dyes in this country under General Dyestuff Corp. as a means of reducing sales expense in the present highly competitive market. Further sales consolidations and arrangements with foreign manufacturers along the line of General Dyestuff Corp. are believed to be pending.

The two companies at present have separate offices in seven cities throughout the United States, Boston, Providence, Charlotte, Philadelphia, Chicago, San Francisco, and New York. These will be consolidated gradually without change of personnel for the time being, as quickly as leases, and other details of branch offices and warehouses can be arranged.

##### CANADA IMPORTING MORE DYES

Imports into Canada of aniline and coal-tar dyes during July were as follows: From Britain 4,597 lbs., value \$5,085; United States 96,882 lbs., value \$56,460; Germany 27,950 lbs., value \$18,627; Netherlands 13,850 lbs., value \$11,171; Sweden 500 lbs., value \$616; Switzerland 19,943 lbs., value \$11,924; other countries 3,080 lbs., value \$2,032; total 166,802 lbs., value \$105,915; compared with imports in July, 1924: Britain 18,152 lbs., value \$5,628; United States 82,902 lbs., value \$58,752; Germany 14,327 lbs., value \$13,516; Netherlands 2,569 lbs., value \$1,532; Switzerland 17,147 lbs., value \$8,992; other countries 55 lbs., value \$13, total 135,152 lbs., value \$88,433.

##### DYE WORKERS IN JAPAN STRIKE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Tokyo, Japan, Sept. 16—The depression that has been causing much unemployment in the chemical industry is now reflected in the Osaka dye works. A proposed reduction of wages caused two thousand workers to quit recently as a protest, and they are making counter demands that the pay be increased. Negotiations have failed and a prolonged struggle is predicted although Japanese labor is poorly organized.

American Creosoting Co., Aralis, La., has been awarded a government contract for 20,000 gallons of creosote oil at 13¼c.

## The Oil Market

Current Spot Quotations of Oils, Greases, pages 1020-1021

### LARD OIL AND NEATSFOOT OIL HIGHER

Tallow Reaches New High—Stearic Acid Up—Greases Higher—Coconut Oil Advanced Further—Palm Oil Up—Linseed Oil Declines on Weak Seed Markets—Cottonseed Oil Lower and Weak—Chinawood and Rapeseed Oils Steady

#### PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

Advanced	
Coconut Oil, Ceylon, $\frac{1}{2}$ c lb.	Neatsfoot Oil, Pure, $\frac{1}{2}$ c lb.
Manila, $\frac{1}{2}$ c lb.	Extra, $\frac{1}{2}$ c lb.
Grease, White, $\frac{1}{2}$ c lb.	No. 1, $\frac{1}{2}$ c lb.
House, $\frac{1}{2}$ c lb.	Palm Oil, Lagos, $\frac{1}{2}$ c lb.
Yellow, $\frac{1}{2}$ c lb.	Niger, $\frac{1}{2}$ c lb.
Lard Oil, Off Prime, $\frac{1}{2}$ c lb.	Stearic Acid, $\frac{1}{2}$ c lb.
Extra, $\frac{1}{2}$ c lb.	Tallow, $\frac{1}{2}$ c lb.
Extra, No. 1, $\frac{1}{2}$ c lb.	
No. 1, $\frac{1}{2}$ c lb.	
No. 2, $\frac{1}{2}$ c lb.	

#### Declined

Cottonseed Oil, Crude, $\frac{1}{2}$ c lb.	Lard Oil, $\frac{1}{2}$ c lb.
Linseed Oil, 2c lb.	

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	War
Cod Oil, N. F. ....gal.	\$60	\$62	\$62	\$62	\$1.25	\$.26%
Degras, American, bbl.	.04%	.04%	.04%	.04%	.23	.03%
Lard No. 1 .....gal.	.91%	.91	.89	.92	2.90	.92
Menhaden, crd tks .....gal.	.52	.52	.50	.50	1.20	.33
Neatsfoot, 20 deg c t gal.	1.26	1.26	1.24	1.31	8.45	.95
Red Oil, distilled .....lb.	.12%	.12%	.12%	.09%	.17	.07
Stearic Acid, T P .....lb.	.17%	.17	.17	.13	.33	.12
Coconut, Ceylon, Tks. ....lb.	.12%	.12	.12	.10%	.30	.14
Cottonseed crude, tks. ....lb.	.08	.09%	.08	.09%	.25	.08
Linseed, crude .....gal.	.98%	1.00	1.05	1.01	1.85	.57
Olive, denatured .....gal.	1.23	1.23	1.18	1.25	4.50	1.05
Peanut, refined .....lb.	.15	.15	.15	.17	.30	.08
Soya Bean bbls. ....lb.	.13%	.13%	.13%	.13	.19%	.07
Average .....	4.90	4.92	4.83	4.90	5.92	1.56

Coconut oil continued to be the feature of the vegetable oil market during the week and importers again advanced prices for prompt shipment and spot goods. Palm kernel oil is stronger on continued heavy buying as a substitute for coconut oil. Palm oils advanced, due to the generally strong condition of the situation and willingness of some consumers to cover at what seemed high prices, having seen other markets run away from them when they did not buy.

Linseed oil is lower on unforeseen weakness in the seed markets. The market lacks snap, although considerable business is passing. Chinawood oil presents a quiet but firm front as usual. Rapeseed oil remains in free supply on the spot but the situation is firm.

Animal oils and fats are generally strong led by tallow which is strong at the high of the year, and many factors predict slighter higher prices. Lard oil and neatsfoot oil are higher. Lard has declined over a cent in the last few weeks, but prime summer yellow cottonseed oil has not declined nearly as much and factors think that present prices of cottonseed oil are high.

#### Vegetable Oils

**Castor Oil**—Although prices are unchanged from crushers, the demand is slight and shading continues to be reported for large orders.

**Chinawood Oil**—Market remains quiet but firm with a moderately large volume of business passing at unchanged prices.

**Coconut Oil**—Situation still tight and quotations for spot goods have advanced to new high figures. Ceylon is quoted at 12 $\frac{1}{2}$ c@13c lb in tanks, and 13 $\frac{1}{2}$ c@14c lb in barrels; Cochiti is unobtainable and quotations are

nominal; Manila is higher at 11 $\frac{1}{2}$ c lb in tanks at Pacific Coast, and 13 $\frac{1}{2}$ c@14c lb in barrels on spot.

**Corn Oil**—Market for crude oil is easy and prices are being shaded in some instances. Refined oil is moving quietly but in large volume at unchanged prices.

**Cottonseed Oil**—Crude oil lower at 8 $\frac{3}{4}$ c lb. Prime summer yellow is lower and weak at present figures. The recent sharp decline in the lard market which came to over 1c lb has not been fully met in the cottonseed oil market. The large crop of cotton coupled with the fact that speculators are unwilling to take hold as they lost on previous operations gives the market a weak appearance. Oct. oil is quoted at 10 $\frac{1}{2}$ c lb; Nov. 10.1c@10.2c lb; Dec. 10.15@10.2c; Jan. 10.16c@10.17c; Feb. 10.17c@10.25c; March 10.29c@10.3c lb; April 10.35c@10.4c lb; May 10.43c@10.45c lb.

**Linseed Oil**—Seed markets have weakened and crushers have reduced quotations .2c lb, and quote carlots of barrels of raw at 13.1c lb for Oct.-April. Tanks are offered at 12.3c lb, and 5 barrel lots at 13.5c lb. Buying has been along routine lines. Seed markets opened this week as follows: Winnipeg Oct. \$2.28; Nov. \$2.28 $\frac{1}{2}$ ; Dec. \$2.22 $\frac{1}{2}$ ; May \$2.32; Duluth Oct. \$2.51; Nov. \$2.51; Dec. \$2.53; May \$2.63; Minneapolis Oct. \$2.50; Dec. \$2.54; May \$2.62. Buenos Aires Nov. \$2.01. London quotes linseed oil at 40s, and Antwerp quotes 425f.

**Olive Oil**—Market remains firm due to the strong conditions existing abroad, and quotations show no variation in any direction.

**Olive Oil Foots**—Situation unchanged from last week and the market remains well supplied although holders remain firm in their quotations.

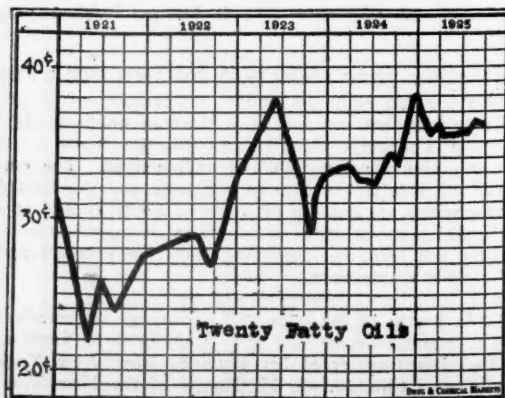
**Perilla Oil**—Routine demand continues and importers quote firm unchanged prices in all transactions.

**Rapeseed Oil**—Spot situation remains easy and goods are quoted at 98c@\$1.00 gal. Shipment is quoted at slightly lower figures.

**Soya Bean Oil**—Steady situation maintained over the week and importers report only a fair sized routine demand.

#### Animal Oils

**Greases**—Strong market has brought about higher



prices and white is firm at 14½¢@15¢ lb; yellow is up to 9½¢ lb; house is held at 9½¢ lb; and brown is unchanged at 9¢ lb.

**Lard Oil**—Although edible prime is lower at 19½¢ lb, all other grades are higher due to a heavy consuming demand and makers quote off prime at 18½¢ lb; extra at 15½¢ lb; extra No. 1 at 13¾¢ lb; No. 1 at 13½¢ lb; No. 2 at 13¼¢ lb.

**Neatsfoot Oil**—Increased demand has resulted in higher prices for all grades except 20° c. t. which remains firm at 18¢ lb. Other grades are quoted as follows: Pure 15¼¢ lb; extra 13¾¢ lb; No. 1 13½¢ lb.

**Oleo Oil**—Makers have reduced prices on No. 1 to 16¢@16½¢ lb. Other grades are firm but unchanged in price.

**Stearic Acid**—Quotations have been advanced due to the higher tallow market and the continued heavy demand which causes some makers to report a sold-up condition. Double pressed is offered at 15½¢@16¢ lb; and triple pressed is quoted at 17¾¢@18¼¢ lb.

**Tallow**—City extra sharply higher at 10½¢@10¾¢ lb with buyers holding off since only small lots are offered and they are afraid of driving the market still higher. Some factors state that the high point will be somewhere between present figures and 11¢, while others claim that 12¢ will be paid before the reaction starts.

#### GIVE FIGURES ON ROSIN OUTPUT

The chief turpentine and rosin using industries in the United States had on hand April 1, a total of 1,265,000 gallons of turpentine and 195,636 round barrels of rosin, according to a compilation made by the Bureau of Chemistry, United States Department of Agriculture, on the figures furnished by the various industries using these products. On April 1, 1924, they had on hand 934,580 gallons of turpentine and 264,558 round barrels of rosin.

According to the statistics compiled by the Turpentine and Rosin Producers Association of New Orleans, La., the total production of gum spirits of turpentine during the past season of 1924-25, ending March 31, 1925, amounted to 521,444 casks of turpentine, equivalent to 26,072,200 gallons. Using the ratio of 3.3 round barrels of rosin produced to each 50 gallons of turpentine, the total gum rosin production should have been approximately 1,721,000 round barrels. Figures published by the Census Bureau, Department of Commerce, for the season 1923-24, showed a total production of 29,781,944 gallons of gum turpentine and 1,990,865 round barrels of gum rosin.

The National Paint, Oil and Varnish Association will hold its annual convention at the Hotel Cleveland, Cleveland, O., Oct. 21 to 23. E. V. Peters, of New York, will deliver the president's address on Wednesday, Oct. 21, at 8:30 p. m. A golf tourney is on the entertainment program.

The National Association of Stearic Acid Manufacturers was organized last week in Cincinnati, with J. A. Burns, of New York, president; R. A. Hale, Chicago, vice-president; F. F. Jordan, Cincinnati, secretary-treasurer.

United States Shellac Importers Association meets at the Drug and Chemical Club, New York, on Oct. 14.

Palmolive Co. has filed judgment in Nassau county, L. I., for \$50.94 against Benjamin Meyer.

The Argentine export duty on flaxseed is 2.84 gold pesos per metric ton for October.

#### PAINT OUTPUT WAS 241,000,000 LBS.

Paste paints produced in the United States during the first six months of 1925, according to the Department of Commerce, amounted to 241,057,300 pounds (comprising 154,978,500 pounds of white lead in oil, 7,297,200 pounds of zinc oxide in oil, and 78,781,600 pounds of other paste paints); 52,448,700 gallons of ready-mixed and semi-paste paint; 36,514,500 gallons of varnishes, japans, and lacquers, other than pyroxilin; and 4,820,200 gallons of pyroxilin (nitrocellulose) varnishes or lacquers.

The statistics for the first half of 1925 compared with the last half of 1924 show increases of 3.1 per cent for paste paints, 21.5 per cent for ready-mixed and semi-paste paints, 13.6 per cent for varnishes, japans, and lacquers, other than pyroxilin, and 125.9 per cent for pyroxilin varnishes or lacquers. Comparison of the first half of 1925 with the first half of 1924 brings out a decrease of 5 per cent for paste paints, with increases of 16.2 per cent, 5.2 per cent, and 241.1 per cent, respectively, for ready-mixed and semi-paste paints; varnishes, japans and lacquers other than pyroxilin; and pyroxilin varnishes or lacquers.

The statistics are based upon returns from 502 establishments, of which 108 reported the manufacture of pure white lead in oil; 101, combination or graded white lead in oil; 150, zinc oxide in oil; 301, other paste paints; 409, ready-mixed and semi-paste paints; 299, varnishes, japans and lacquers other than pyroxilin; and 67, pyroxilin varnishes or lacquers.

#### EXPORTS OF PAINTS INCREASE

(Special to Drug & Chemical Markets)

Washington, D. C., Oct. 7—The foreign demand for American paints and varnishes during August had an aggregate value of \$1,657,000, making up 11.5 per cent of the entire chemical group, while imports, valued at \$287,500, represented only 2 per cent of the group. Every item showed a bigger export trade during the current August than during August, 1924.

Imports of Chinawood oil during August, 1925, totaled 6,033,300 pounds, valued at \$628,200. The naval stores, gums and resins group, was conspicuous for the exceptionally high valuation of shipments being valued at \$4,038,900. Of this amount, \$2,032,200 (123,540 barrels) represented rosin and \$1,793,960 (1,862,900 gallons), spirits of turpentine. The United Kingdom took over three-quarters of the turpentine shipped and one-quarter of the rosin.

Imports of gums and resins also reflected decided improvement, with total valuation of \$2,994,000 for the current August. The outstanding incident of this trade was the importation of \$2,103,700 worth (7,672,900 pounds), of varnish gums, the peak figures for the year. Imports of shellac, the leading item, amounted to 2,681,300 pounds, worth \$1,321,600.

Dixie Cotton Oil Co. in a supplemental bill filed in Federal District Court at Memphis, Tenn., asked that the receivers for the National Cottonseed Products Corp. be authorized to dispose of \$1,000,000 of assets to meet pressing liabilities. The Dixie company is one of several concerns which recently instituted receivership proceedings against the products corporation, organized last year as a consolidation of nearly a score of cottonseed mills in Tennessee, Arkansas and other States.

United Naval Stores Co., Inc., has filed judgment for \$229.15 in New York county against Frank C. Sylvia, Jr.

## Miscellaneous Raw Materials

Heavy Chemicals 1002-1028, Tan and Dyestuff 1002-1028, Fatty Oils 1028-1035

### FERTILIZER INQUIRY INCREASING

**Tankage Higher—Other Fertilizer Materials Firm—Rosins Continue to Advance—Metals Climbing—Corn Products Show Another Decline—Better Interest Exhibited Generally**

#### PRICE CHANGES IN NEW YORK

(Stock in First Hands)

##### Advanced

Copper, Electrolytic, 1/4c lb.	Rosin: B, D, E, 62 1/2c 280 lb.
Rosin Oils, 2s gal.	F, G, H, 62 1/2c 280 lb.
Tankage, N. Y., 10c unit.	L, 47 1/2c 280 lb.
Tin, 1 1/2c lb.	K, 42 1/2c 280 lb.
Zinc, 1/4c lb.	M, 45c 280 lb.
	N, W.G., 40c 280 lb.
	WW, 45c 280 lb.

##### Declined

British Gum, 10c 100 lb.	Glucose, 10c 100 lb.
Corn Syrup, 10c 100 lb.	Starch, corn, 10c 100 lb.
Dextrin, Corn, 10c 100 lb.	Sumac, grd. Sic., \$5.00 ton.
	Turpentine, 2c gal.

Inquiries from the various chemical consuming industries are increasing and the markets are reported better in most fields. Fertilizer manufacturers are coming in with better inquiry and some sales have gone through in that direction at advanced prices. The rubber trade remains quite active with prices for the majority of the raw materials unchanged. The glass, lacquer, textile, leather and paper trades show little change, although some indications of improvement are

pointed out in the textile and leather trades. Price fluctuations this week vary, advancing in some directions where demand warrants, and declining in others either on account of weakness of demand or large supplies of natural raw materials. Corn products have declined further, following the grain market, while sumac has declined from lack of buying. Tankage has advanced on increased buying and shortage of stocks. Naval stores are continuing their advance caused by both demand and shortage of stocks, while metals are advancing due to increased strength in the market.

### ACCELERATORS

**Diortho-Tolyl-Guanidine**—Makers continue to report a steadily increasing demand and quote firm unchanged prices.

**Diphenyl-Guanidine**—Market holding steady under a very good demand and all makers are maintaining prices at unchanged figures.

**Ethylidine-Aniline**—Quotations remain firm at unchanged figures in all quarters and a large volume of business is reported to be passing.

**Hexamethylene**—Unchanged conditions prevail in this market, and offerings are plentiful, although quotations are unchanged in all directions.

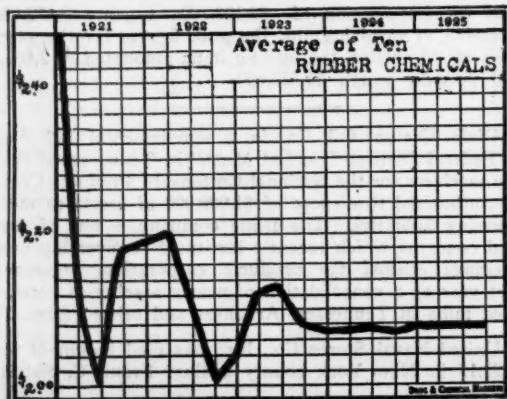
### ALBUMENS

There has been no change in this situation, blood, egg and vegetable albumens all moving in normal volumes with prices unchanged. Egg albumen and yolk from

## Rubber Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony, Sulfide Crim...	\$3.39	\$3.39	\$3.39	\$3.39	\$4.15	\$3.30
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black cases N. Y. ....	.12	.12	.11	.12	.30	.14
China Clay, Imp.....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82 1/4	.82 1/4	.82 1/4	.82 1/4	1.35	.05
Iron Oxide, Span .....	.03	.03	.03	.03	.04 1/2	.05
Lithopone .....	.06 1/4	.06 1/4	.06 1/4	.06 1/4	.08	.04
Sulfur .....	3.00	3.00	3.00	3.05	6.30	1.75
Whiting, Dom. ....	14.00	14.00	14.00	14.00	30.00	11.00
Zinc Oxide, Amer. ....	.08 1/4	.08 1/4	.08 1/4	.08	.09 1/4	.09

Average ..... 3.452 3.452 3.452 3.458 5.937 ..

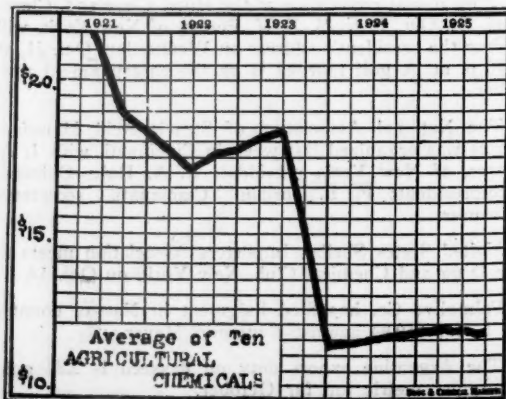


INDUSTRIAL CHEMICAL SECTION

## Agricultural Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66°.....ton	\$14.00	\$14.00	\$14.00	\$14.00	\$55.00	\$30.00
Ammonium Sulfate, 100lbs. ....	2.95	2.95	2.95	2.50	1.75	2.65
Arsenic .....	.03 1/2	.03 1/2	.03 1/2	.07	.18	.04
Copper Sulfate .....	4.45	4.60	4.45	4.60	20.00	4.05
Paris Green .....	.19	.19	.19	.25	.50	.11
Potash Muriate, 90% .....	34.90	34.55	34.55	31.00	...	...
Potash Sulfate, 90% .....	45.85	45.85	45.85	41.27	440.00	42.07
Phosphate, Acid, 16% .....	10.10	10.10	10.10	8.25	21.00	15.00
Phosphate Rock, 68% .....	2.65	2.65	2.50	2.25	11.00	3.00
Sodium Nitrate .....	2.55	2.52	2.47	2.52	5.00	1.90

Average ..... 11.865 11.742 11.710 10.684 103.50 13.84



China are in a particularly firm position, being well held over there.

### CLAYS AND FILLERS

**Barytes**—No new developments are seen in this market with prices well maintained and business moving well.

**Blanc Fixe**—Trading continues active along routine lines and prices are unchanged for both contract and spot business.

**Chalk**—Prices are well maintained and trading is normally active.

**China Clay**—Contracts for the next year are now being written and appearances indicate that business will measure up favorably with the current year. Prices are steady and firm.

**Talc**—Both spot and contract business is moving well at steady prices.

**Whiting**—There has been no change in this situation, prices holding their level without any indications of change, and good volumes moving into consuming channels.

### COLORS AND PIGMENTS

Chrome yellows are in free supply and business is passing at 17c@18c lb. Iron blues remain barely steady at 23c@34c lb. Greens are moving well at unchanged prices. Carbon black remains very firm at 8c lb in bags at works. Lead pigments are holding at recent advance.

### DYE AND TAN WOODS

Some improvement has been reported in the market with activity still rather slight. Very little change has been seen in prices except for the Sicilian sumac which is now down to \$125.00@130.00 per ton with practically no demand showing. Divi divi, myrobalans, valonia, wattle and logwood show no change in price.

### EXTRACTS

There has been practically no change in the market for dyeing and tanning extracts with prices steady throughout the list. Archil, cutch and gambier are in somewhat improved demand, with activity in logwood, hematine, quebracho and osage orange unchanged.

### FERTILIZERS

**Ammoniates**—There has been little change in activity, manufacturers not buying heavily but inquiry is increasing especially for tankage. Sales have been made in tankage at the advanced price of \$4.35 and 10c unit in New York. Blood, bone, fish scrap and nitrogenous material have not changed but are all firm at current prices.

**Ammonium Sulfate**—Little is being done at the present with prices steady at \$2.95 delivered Northern points and \$3.00 Southern points.

**Cyanamid**—There has been no change in this item which is moving steadily at unchanged prices.

**Phosphate Acid**—This market remains unchanged with prices steady.

**Phosphate Rock**—Producers are unable to cope with the demand and prices are strong at recent advance.

**Potash Salts**—Recent advance has had little or no effect on the market. New prices are guaranteed until the first of April.

**Sodium Nitrate**—See Heavy Chemical Report.

### INSECTICIDES AND FUNGICIDES

Absolutely no interest is being displayed in this market in any direction. Manufacturers are not announcing their new schedules due to inability to move any ma-

terial. Stocks of the entire list in manufacturers' hands are large and the future of arsenicals is rather doubtful since arsenic is in a very weak condition.

### METALS

Antimony showed no change and closed at 17c@17½c lb. Copper recovered somewhat and quotations are given at 14½c@14¾c lb for both electrolytic and Lake. Lead remains very steady at 9½c@9¾c lb at New York, and 9¾c lb at East St. Louis. Tin is sharply higher at 60c lb. Zinc reached a new high during the week at 8½c lb at New York, and 8c lb at East St. Louis.

### NAVAL STORES

**Rosins**—Further sharp advances in primary markets drove the spot market to new high levels and quotations are given at: B \$16.02½@16.30; D \$16.07½@16.30; E, F, G, H, I, K, \$16.12½@16.30; M, N, \$16.30; WG \$16.40; WW \$16.50@16.70.

**Rosin Oil**—Market higher in sympathy with rosins and first run is quoted at 78c@80c gal.; and second run at 83c@85c gal.

**Turpentine**—Spot offerings are quoted lower due to decline in primary markets and holders quote \$1.13@ \$1.18 gal. as to seller and quantity.

### (Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Oct. 3.—Turpentine closed firm at \$1.05½@1.06½ which is 1¾c below last week's closing. Offerings were liberal and buying was limited in the first part of the week, but the market was well cleaned by large sales during the latter part of the week. Competition in bidding with higher prices is anticipated for next week. Receipts for the week were 3,270 bbls.; stock on hand totals 17,842 bbls.

Rosins closed firm at advances of 50c@60c on all grades except X. The buying appeared to be for actual orders in hand. The European demand this season has been very great and the crop is being sold as fast as produced. Slightly further advances are anticipated for the coming week. Closing quotations were: D, B, E, F, G, H, I, K, M, N, WG, \$14.62½; WW, X, \$14.70.

Jacksonville, Fla., Oct. 3.—Turpentine closed firm at \$1.06¾ with sales of 150 bbls., and 260 bbls. carried over, bids of \$1.05½ having been refused. Rosin closed firm at following prices: B, D, E, F, G, H, I, K, M, N, WG \$14.62½; WW, X, \$14.70. Stocks of turpentine total 21,047 bbls.; rosins 70,159 bbls.

### STARCHES, DEXTRINS AND SIZES

Corn products have again declined 10c 100 pounds, due to the price of the grain and British gum down to \$4.52@4.62 as to quantity, white corn dextrin to \$4.22 in carlots, with canary dextrin down to \$4.27, corn syrup \$3.66 for the 42° with 5c more for each added degree up to 45°, glucose down to \$3.49@3.84 as to grade, and powdered corn starch down to \$3.57@3.67 as to quantity with pearl down to \$3.47@3.57 per 100 pounds. Casein and glues are unchanged with increased firmness in gelatins and probable advances there soon.

Bradford Dyers' Association, Bradford, England, has declared a stock dividend of 60 per cent. The company proposes later to increase its capital by £1,000,000.

Brown Paper Mills, Ithaca, N. Y. will rebuild the portion of the mill recently destroyed by fire with loss estimated at \$45,000, including equipment.

German rayon makers have cut prices eight per cent and modified terms of payment from 30 to 60 days.

## SAYS FOREIGN RAYON PRICES ARE LOW OWING TO SMALL WAGES PAID WORKERS

**Dr. Luft of Industrial Fibre Co. Expects Sharp Competition as Shipments From Europe Increase—Large Capital Essential to Manufacture Successfully—Japanese Already Producing**

"Though growers of cotton will not be forced out of business by the rayon industry, the production of cotton may be reduced, its price may be stabilized and reasonable profits for the cotton industry may be established," Dr. M. G. Luft, chief chemist of Industrial Fibre Co., asserted at the rayon meeting held in the Chemists' Club, in connection with the Chemical Exposition.

"Some authorities claim," he continued, "that cotton in the future will be replaced by rayon. However, this expectation has no foundation considering the present stage of the development of this very young industry. Should this ever take place, it will not be in a revolutionary way, but by means of slow adaptation and chemical evolution in the generations to come."

"What is needed here now to insure a continuance of American rayon supremacy is a close union between the general chemical and dyestuffs producing concerns and the rayon manufacturers," said Dr. Luft.

"The minimum amount of money that permits even a fighting chance of commercial success for a rayon manufacturing venture is about \$3,000,000; and by this I mean \$3,000,000 in actual money—not stock certificates. Out of 20 concerns that attempted to produce rayon commercially in a certain part of Europe during the last two years only one has been successful. This ratio means something.

"Labor here," Dr. Luft explained, "costs about \$5 per day. Corresponding labor in the big rayon plants of Italy costs at present 50 cents per day. Moreover, there is now afoot a movement, I understand, to cut Italian wages to 45 cents. The differential in labor costs—American and Italian—is thus sufficiently great to make the danger of demoralizing imports here a very real one."

## JAPANESE RUSHING INTO RAYON

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Tokyo, Sept. 10—The Japan Rayon Co., Ltd., has been organized as a subsidiary by Dai Nippon Spinning Co. of Osaka with capitalization of 15,000,000 yen. It is reported that Toyo Spinning Co. and Kurashiki Spinning Co. will organize new companies to manufacture rayon. Fuji Spinning Co. is considering a plan to convert some of its factories in order to enter the field. Mitsui Bussan Kaisha is negotiating for the purchase of Artificial Silk Industry Co., and Katakura Silk Filature in Shinshu, the largest silk plant in Japan, is making preparations to join the rush. Teikoku Rayon Co., a subsidiary of Suzuki Shoten, Kobe, is extending and improving its Yonezawa factory, and is building a new plant at Iwakin which is expected to double the present output. Improvement and extension of plants is announced by Asahi Silk Fabrics Co. which plans to increase its output from three to six tons daily.

Due to the low exchange value of the yen the imports of rayon during the first half of 1925 fell off, only 160,000 pounds being imported. German and British products formed 80% of this amount, the United States furnishing only a small portion. Last year the imports amounted to 980,000 pounds.

The rayon industry is consuming five per cent of the sulfite pulp production in Canada.

INDUSTRIAL CHEMICAL SECTION

## ECHOES OF THE EXPOSITION

(Continued from page 983)

about the size of a ten-cent piece, perforated with forty-five holes, so small that they are invisible to reasonably good eyesight, until held up in front of a light. These forty-five holes are each 7/1,000ths of an inch in diameter, and the disc is the working part of a spinneret for artificial silk, displayed by the Baker platinum people.

A very pretty example of the complexities of cross dyeing, as it has been perfected not only by the application of highly specialized groups of dyes, but by the use of the various new chemical fibres, was displayed by the British American Cellulose Company—a stocking dyed in five different colors, made out of five different materials, which had been dipped into one bath containing a mixture of the five different dyes involved.

Dr. Helmuth Mueller, chief chemist of Zellstoff Fabrik Wallhoff, and Dr. Deutsch, a director of the company, attended the Chemical Exposition, last week.

George D. Jastram, superintendent of Grangers Manufacturing Co., West Stockbridge, Mass., attended the Chemical Exposition as a guest of Industrial Chemical Co., New York.

A number of duPont dyes were selected for a place of honor among the notable products displayed in the Court of Chemical Achievement. The dyes represented in the Court were Ponsol Golden Orange G, Ponsol Golden Orange 2RT, Sulfanthrene Pink FF, the Gallopont Colors and the Luxol Colors. The first three are vat dyes. The Gallopont Colors are used in calico printing particularly, and the Luxol Colors are used in making stains for woods which are fast to light, as dyes for pyroxylin material and in transparent lacquers such as Duco.

Among the callers at "Drug & Chemical Markets" booth at the exposition last week, was Dr. James M. B. Hard, of Hard Chemical Works, Mexico City.

At the Kentucky Alcohol booth samples of the various grades of denatured alcohol were shown in their original state, and also after they had been exposed to the materials of which the common containers are made, and to other materials of which containers usually found in plants are made. Thus a consumer could determine at a glance what containers to use, and what containers not to use for the grades of alcohol used.

E. H. Baltz, research chemist for Fries & Fries at Andrew Mellon Institute, Pittsburgh, was in New York for the Chemical Exposition.

The derivation of furfural from oats and the many fields into which it is being introduced were shown graphically at Miner Laboratories exhibit.

Emery Candle Co., Cincinnati, presented a display of the various grades of red oil and stearic acid, as well as showing a complete line of candles.

The breadth of activities covered by Eastman Kodak Co. was forcefully presented at their booth. By far the most complete line of synthetic organic chemicals is manufactured, as well as lacquers for all uses.

The vacuum bottle-filling machine shown by Standard Automatic Machinery Co., Rochester, attracted an unusually large number of spectators.

Air Reduction Sales Co. has filed judgment for \$116.51 in New York county against Alfred H. Trembley.

# REPORT BIG CHANGES IN OCCUPATIONS

Workers in the manufacturing and mechanical industries in the United States numbered 65,148 per million inhabitants in 1870, but in 1920 121,265 per million inhabitants, according to an analysis of changes that have taken place in 25 years in the occupations followed in this country, made by the National Industrial Conference Board, New York. An increase is thus shown of more than 85 per cent in fifty years. The number of farmers and planters per million population during the same period decreased from 77,320 to 57,550, a decline of 25.6 per cent, the board points out.

Significant in industrial life is the enormous increase of iron and steel workers, machinists, engineers and others in related occupations.

The change from the individually managed small business enterprise to corporate management of great industrial establishments, and the incidental requirements of increased bookkeeping, correspondence and accounting, and, to a degree, the rise and development of the statistical science and profession, is reflected strikingly in the item of clerical occupations, which enjoy by far the greatest increase of all cited in the census figures. Clerical office employees, in 1870, numbered 1,926 per million inhabitants. In 1920 they amounted to 26,691 per million population, an increase, according to the Conference Board's report, of more than 1,286 per cent.

## NEW FIBER TO COMPETE WITH RAYON

Commercial Fiber Co. of America, American agents for Snia-Viscosa of Italy, the largest rayon producers in Europe, has released the following cable for publication from P. G. Gurgo-Salice, general sales manager of the Snia-Viscosa at Turin:

"After very long experiments, Snia has succeeded in producing a new fibre, having exceptional merits of tenacity, elasticity and softness, and which can be spun like wool and cotton on the usual spinning machines.

"Wonderful results have already been obtained, sufficiently to believe that it will revolutionize the textile industry; also because the new product will be sold at very low prices. The new fibre can be used alone or in conjunction with any other fibre.

"Snia is now producing several thousand kilograms daily, and orders are already far in excess of production."

## UNION BAG AND PAPER HAS NEW PROCESS

Experiments conducted by Union Bag and Paper Corp., with a new process of reducing wood to pulp for paper making, by which hard wood may be used as well as spruce and hemlock are said to have been successful. The process is the invention of Col. R. A. Marr, a Canadian, who claims that by his process the use of almost 90 per cent of the wood is possible, whereas only 50 per cent is saved in processes now used in making sulfite pulp and kraft paper. The saving is equal to about \$25 per ton.

## WILL PLAN KALBFLEISCH ADVERTISING

Kalbfleisch Corp., one of the largest producers of acids and other chemicals in the country, has commissioned Hazard Advertising Corp. to direct an advertising campaign which for the present will be confined to business and technical publications and direct mail.

An \$18,000,000 bond issue secured by the properties formerly owned by Anglo-Chilean Nitrates Co., now controlled by the Guggenheims, is soon to be offered on the New York market.

## HERTY SAYS GERMANS ARE PLANNING TO DUMP DYES AND TEXTILES IN U. S.

Recent Loans Were For Purpose of Buying Raw Materials and Now German Industrialists Want the Tariff Lowered to Capture American Markets—Urges

Dr. Charles H. Herty, speaking at a meeting of the National Association of Finishers of Cotton Fabrics, at the Hotel Roosevelt, New York, last week, said in part:

"In a statement issued by the American Chamber of Commerce in Berlin, recently, it was stated that the only way to world peace is by lowering the tariff. Now clearly the Chamber of Commerce is in error. Government figures show that the present tariff is not keeping out goods, but is stimulating business all around.

"What I would like to know is why we are called upon to pay for a war we didn't bring on. The moment the Dawes plan went into effect there was a rush in Germany for outside money, and money in large quantities was obtained. Before the Dawes plan, mind you, German imports only slightly exceeded exports. Immediately afterward, however, great quantities of raw materials were purchased.

"So, raw materials have been purchased with money you have supplied, and now you are asked to lower your tariff that the finished goods may flow back in return. Just where do we stand on this matter? In the end who will really have won the war?"

As part of the defense of the American textile and chemical industries against foreign competition, Dr. Herty pleaded for the establishment of a great research bureau here with the \$2,000,000 now held in suspension by the Textile Alliance, Inc. "This money cannot be released, however," he said, "because the Government is trying to seize more than \$1,250,000 of it under guise of an excess profits tax."

Still another ailment of the American textile and dye-stuffs industry calling for immediate treatment, said Dr. Herty, is the cancer of dyestuffs graft that appears to be eating its way steadily through the entire tissue of textile coloring enterprise.

Report of United Dyewood Corp. for six months ended June 30, shows net income of \$232,985 after expenses, equivalent after dividend requirements on 7% preferred stock, to 71 cents a share earned on \$13,918,300 common stock. Consolidated statement of subsidiary companies of United Dyewood Corp. for six months, shows net income of \$137,529 after depreciation, interest, federal taxes and reserves. Profit and loss surplus totaled \$2,472,074 of which the equity of the United Dyewood Corp. amounted to \$2,449,071.

A complaint charging that the \$400,000,000 baking combine is in violation of the Clayton Anti-trust law, in that competition is lessened and commerce in bakery products likely to be curtailed, has been made public by Commissioners Huston Thompson and J. S. Nugent of the Federal Trade Commission. They declared that the complaint was formulated in April and had been suppressed by their colleagues on the Board.

Wingohocking Dye Works, Philadelphia, will make application to the Governor of Pennsylvania on Oct. 26 for a charter. The company will dye silk and cotton for the hosiery trade. Helen A. Stuart, William A. Dwyer and William Linton are interested.

Arguments in the suit against the Chemical Foundation to test the validity of the sale of German dye and chemical patents by the Alien Property Custodian will be heard by the U. S. Supreme Court on Nov. 16.

## QUOTATIONS ON CHEMICAL STOCKS

Closing Prices For Week Ending Oct. 3, 1925

Bid	Asked	Bid	Asked
*Air Reduction .....	108 1/2 109	Hercules Powder .....	104 1/2 107
*Allied Chem & D .....	101 1/2 101 3/4	Hercules Powd., pf. ....	105 1/2 107
*Allied C & D pf. ....	119 1/2 119 3/4	Heyden Chem .....	12 1/2 15
*Am. Ag. Ch. ....	26 1/2 26 3/4	Hooker Electro. ....	40 45
*Am. Ag. Ch., pf. ....	76 76 1/2	Hooker Electro. pf. ....	41 1/2 41 3/4
*Am. Chicle .....	48 48 1/2	*Household Products .....	16 1/2 16 1/2
*Am. Chicle pf. ....	86 86 1/2	*Int. Agricult. ....	68 68 1/2
*Am. Cyan .....	110 115	*Int. Nickel, pf. ....	33 1/2 33 1/2
*Am. Cyan, pf. ....	84 88	*Int. Nickel, pf. ....	100 100
*Am. Druggists S. ....	4 1/2 4 3/4	*Int. Nickel, pf. ....	70 70
*Am. Glue .....	105 105 1/2	*Mathieson Alk. ....	86 86
*Am. Glue, pf. ....	49 49 1/2	MacAnd & Forbes .....	167 167
*Am. Linseed .....	88 1/2 88 3/4	MacAnd & Forbes, pf. ....	100 103
*Am. Linseed, pf. ....	50 50 1/2	Merck & Co. ....	55 57
*Am. Metal .....	114 116	Merrimac .....	84 86
*Am. Metal pf. ....	73 73 1/2	Mulford Co. ....	30 30
*Am. Zinc, pf. ....	29 30	*National Lead .....	159 160 1/2
*Archer Dan Mid .....	43 1/2 44 1/2	*National Lead pf. ....	116 117
*Archer Dan Mid pf. ....	101 101 1/2	Niag. A., pf. ....	80 80
*Atlas Powder .....	50 52	N. J. Zinc .....	190 195
*By-Prod. Co. ....	46 49	Parke, Davis & Co. ....	100 100 1/2
*By-Prod. Co., pf. ....	102 105	Penn. Salt .....	71 71
Canad. Ind. Al. ....	15 1/2 15 1/2	*People Gas Chl. ....	117 1/2 118
Canad. Salt .....	105 115	Procter & Gamble .....	126 128
Casolin Co. ....	85 85 1/2	Procter & Gamble, pf. ....	126 128
Celluloid Co. ....	28 28 1/2	Royal Bkg. Pow. ....	130 143
Celluloid Co. pf. ....	73 77	Royal Bkg. Pow., pf. ....	100 102
*Certain-teed Prod. ....	53 1/2 53 3/4	Shawinigan .....	162 162
Charcoal Iron .....	16 20	Sherwin-Will 1st pf. ....	105 1/2 105 1/2
Ches. Mfg. ....	64 1/2 65	*Sterling Prod. ....	71 1/2 72
Ches. Mfg. pf. ....	113 113 1/2	Swan-Finch .....	15 16
Clark Co. Prod. ....	2 1/2 4	*Tenn. C. & Chem. ....	124 124 1/2
Cleve. Cliffs Iron. ....	70 70 1/2	*Tex. Gulf Sul. ....	115 1/2 115 1/2
*Com. Silv. A. ....	98 105	Union Carbide .....	72 1/2 72 1/2
De B. ....	95 100	*Un. Drug .....	129 129 1/2
*Corn Products .....	83 1/2 84 1/2	*Un. Drug 1st pf. ....	54 1/2 55
*Corn Products, pf. ....	120 122	*Un. Dyewood .....	15 20 1/2
*Davison Chem. ....	40 1/2 41	*Un. Dyewood, pf. ....	60 60 1/2
Dow Chem. no par. ....	55 63	Un. Gas Imp. ....	99 1/2 99 1/2
Dow Chl., pf. ....	98 102	Un. Gas Imp. pf. ....	58 1/2 58 1/2
Dow Drug Co. ....	140 140 1/2	U. S. Gypsum .....	200 198
Dow Drug Co., pf. ....	105 105 1/2	*U. S. Indus. Al. ....	91 1/2 92
*DuPont Deb. ....	102 102 1/2	*U. S. Indus. Al., pf. ....	109 112
*DuPont de Nem. ....	180 180 1/2	*Va. Car. Ch. ....	2 2 1/2
Eastman Kodak .....	111 1/2 112	*Va. Car. Ch. pf. ....	12 12 1/2
*Eastman Kodak, pf. ....	111 1/2 112	*V. Vivaudou .....	18 18 1/2
*Freeport Tex. ....	17 1/2 18	Will & Baumer .....	14 14
*Gen. Asphalt .....	57 1/2 57 3/4		
*Gen. Asphalt, pf. ....	99 100		
*Gold Dust .....	43 1/2 43 3/4		
Grasselli .....	125 130		
Grasselli, pf. ....	101 108		

\*Listed on New York Stock Exchange

FOREIGN EXCHANGE		Per	Cent
Great Britain (pound Sterling) .....	\$ 4.866	4.83	%
France (franc) .....	183	.046	
Italy (lira) .....	193	.040	
Belgium (franc) .....	198	.044	
Czechoslovakia (crown) per hundred .....	20 30	2.967	
Denmark (krone) .....	268	.241	
Germany (mark) .....	228	.238	
Holland (florin) .....	402	.401	
Norway (krone) .....	253	.201	
Poland (zloty) .....	193	.177	
Spain (peseta) .....	193	.143	
Sweden (krone) .....	268	.241	
Switzerland (franc) .....	193	.192	
Argentina (peso) .....	424	.407	
Brazil (milreis) .....	324	.141	
Japan (yen) .....	439	.407	
India (rupee) .....	485	.366	
China (silver dollar, Hongkong) .....	789	.593	
(Tael-Peking, silver) .....	1.146	.822	
(Tael-Shanghai, silver) .....	1.986	.781	

Krebs Pigment & Chemical Co., New York, has filed judgment in New York county against Lincoln E. Meyers for \$1,066.32.

Missouri Cole Chemical Co., Chicago, has filed a petition of bankruptcy listing liabilities at \$56,678 and assets \$350.

Bondholders of Virginia-Carolina Chemical Co. have approved the plan for reorganizing the company.

## New Incorporations

## In the Chemical, Drug, Oil Producing and Consuming Fields

Vigor Preparations, New York City, 100 shares common stock, no par. H. Williamson, M. Dougherty, H. G. W. Schumm. Attorney, J. H. Schnackenberg, 299 Madison ave.

Maxopia Chemical Co., New York, \$10,000. M. D. and S. Miller, H. J. Federman. Attorney, C. F. Murphy, 141 Broadway.

Cor Bio-Chemical and Natural Products, New York, \$50,000. M. Brandt, A. and O. Gorlowsky. Attorney V. E. Gratz, 2 Rector St.

Mexes Indian Medicine Co., Dover, Del., \$100,000. Homer U. Bunce, Mabel Bunce, John G. Bunce, Cleveland, O. Colonial Charter Co.

Upper Montclair Pharmacy, Montclair, N. J., \$100,000. Charles Phipps, Mary Ryan, Montclair; Henry W. Trimble, Upper Montclair. Attorney, Henry W. Trimble, Montclair.

Kic Nic Products, Dover, Del., \$750,000. Extracts. F. Courtland Reamer, Jr., Red Bank, N. J.; Stuart H. Keyes' Westfield, N. L.; Charles Witwere, Tuckahoe, N. Y. Capital Trust Co. of Delaware.

Perfume Service Corp., Jersey City, N. J., \$125,000. To make toilet articles. Jay C. Fonda, Eleanor E. Fonda, Hugh L. Merritt, Atlantic Highlands, N. J. Attorney, David H. Stemer, Jersey City.

Northampton Industrial Alcohol Co., Camden, N. J., 500 shares common stock, no par. Samuel Strauss, Louis C. Ziegler, Bethlehem, Pa.; Alex. Laub, Philadelphia. Attorney, New Jersey Corporation Guarantee and Trust Co., Camden.

Ferroxanti World Syndicate, New York City, 1,000 shares common stock, no par. S. F. Levy, M. Weinberg. Attorney, E. J. Levy, 1133 Broadway.

Basic Corporation, Wilmington, Del., \$1,000,000. To manufacture fertilizers. Corporation Trust Co. of America.

Colonial Baking Co., Wilmington, Del., \$600,000. Corporation Trust Co. of America.

Anderson Beverage Corp., Jamestown, N. Y., \$25,000. E. R. and D. C. Anderson, G. F. Lindholm. Attorney, G. Y. Webster, Rochester, N. Y.

Win Campbell Co., Wilmington, Del., \$1,000,000. Food products. Corporation Trust Co. of America.

"Chemische Fabrik von I. E. Devrient A.-G. of Zwicau, a wood distillation company, is paying a 5 per cent dividend, and Atlas Ago, a dividend of 7 per cent. Liesing Works of Vienna has had a satisfactory year, but Bantlin Works at Pereg, and the Union firm at Prague, have not been able to pay any dividend for 1924." The report confirms the agreement between Badische Aniline und Soda Fabrik and the German wood distillers with respect to the allocation of home markets for methanol.

Pennsylvania Salt Manufacturing Co. and subsidiaries report for the year ended June 30, net income of \$708,863 after depreciation and depletion, equivalent to \$4.72 a share on the 150,000 shares (par \$50) capital stock outstanding, compared with \$717,244 or \$4.78 a share on the capital stock in the preceding year.

Ahumada Lead Co., reports for six months ended June 30, net income of \$762,515 after depreciation, taxes and other charges, equivalent to 64c a share. Net income for the second quarter of 1925 totaled \$339,869, equal to 28c a share on stock, compared with \$422,646, or 35c a share, in the preceding quarter.

Allied Chemical & Dye Corp. has declared a quarterly dividend of \$1 a share on the common stock, payable Nov. 2 on stock of record Oct. 15.

American Can Co. has declared a quarterly dividend of 1 1/4% on the common stock, payable Nov. 16 on stock of record Oct. 31.

C. P. Chemical & Drug Co., Inc., New York, has filed judgment in New York county against Emanuel Spielholz for \$139.20.



# Drug & Fine Chemical

## SECTION



## N. W. D. A. Discusses Prohibition Enforcement

Open Forum Presided Over By W. L. Crounse, Washington Representative of National Wholesale Druggists' Association—Dr. William J. Schieffelin, New York, Presents Report of Special Committee on Prohibition Problems—C. Mahlon Kline, Philadelphia, Reports on Legislation Affecting the Wholesale Drug Trade—Reports of Committees on Drug Market, Employment, Credits, Salesmen and Selling Methods, and Proprietary Preparations—Election of Officers

(Special to DRUG & CHEMICAL MARKETS)

Detroit, Mich., Oct. 7.—New York members of the National Wholesale Druggists' Association were among the first to arrive at the Hotel Book-Cadillac for the 51st annual convention which opened on Monday. Chicago, St. Louis, Philadelphia and Cincinnati delegations were also prompt in arrival and the Minneapolis and Pacific Coast members were in their seats when Sewell D. Andrews, of Minneapolis, delivered his address as president. C. H. Waterbury, New York, secretary of the N. W. D. A., then read his annual report. Other features of the day were the reports of the following committees:

Committee on drug market, J. F. Belsterling, Philadelphia, chairman; committee on employment and welfare, Foster Hannaford, St. Paul, Minn., chairman; committee on arrangements and entertainment, F. E. Bogart, Detroit, chairman; committee on trade marks, F. A. Blair, New York, chairman; committee on local association, W. E. Greiner, Dallas, Texas, chairman; committee on memorials of deceased members, Harry J. Schnell, New York, chairman.

The Senior Council and the Board of Control of the Association met on Monday morning.

Further committee reports were read at the opening session on Tuesday, including membership, C. J. DeWoody, Dallas, Texas; credits and collections, W. W. Gibson, Albany, N. Y.; salesmen and selling methods, L. J. Bertoli, Chicago; special lines, J. M. Penland, Waco, Texas; delivery and traffic, William Jay Schieffelin, Jr., New York; uniform accounting, Sewall Cutler, Boston; education, A. Kiefer Mayer, Indianapolis, Ind.

The feature of Tuesday's session was an open forum on national legislative problems, led by W. L. Corunse, Washington representative of the N. W. D. A. The discussion was based upon the report of the committee on legislation, of which C. Mahlon Kline, Philadelphia, is chairman. Various bills inimical to the interests of the wholesale drug trade, including those to regulate the enforcement of the Volstead Act, were discussed. A special committee on prohibition problems headed by Dr. William Jay Schieffelin, of New York, outlined the attitude of the wholesalers toward the new enforcement scheme.

Election of officers and committee reports will occupy the remaining sessions. The committee on quality of medicinal products, of which P. E. Anderson of New York is chairman; committee on insurance, headed by Roy M. Johnston of Fort Smith, Ark., and the commit-

tee on proprietary goods, N. D. Faxon of Kansas City, Mo., chairman, will be heard tomorrow.

The balance of the week will be devoted to excursions, entertainments, the banquet, a masquerade, golf tourney and trips to near-by chemical manufacturing plants.

### AWARD MEDICINAL CHEMICAL CONTRACTS

The Veterans' Bureau, Washington, has made the following awards of contracts for medicinal chemicals: Z. D. Gilman, Washington, 1 box phenolsulphonephthalin ampoules at \$95.50, 100 bottles sodium bicarbonate at \$16.90, 100 bottles potassium ferricyanide at \$69, 20 bottles calcium carbonate at \$4.20 and 30 bottles chloroform at \$89.40; Wm. S. Merrell Co., 50 bottles tablets of atropine sulfate at \$4.50; Delaware Drug & Chemical Co., 100 bottles petrolatum at \$98; Magnus, Mabee & Reynard, 200 bottles menthol at \$600, and 6 bottles oil of lavender flowers at \$2.10; John Greig, 100 tins glycerin at \$1,024; Powers-Weightman-Rosengarten, 216 bottles glycerin, \$120.96; Abbott Laboratories, 10 bottles acriflavine powders at \$12.80; E. R. Squibb & Sons, 100 bottles chlorazene at \$62; H. K. Mulford Co., 600 bottles liquor antisepticus at \$162; and Calcine Chemical Co., 152 tins sodium bicarbonate at \$125.28.

### MACKAY REPRESENTS PENICK IN MID-WEST

S. B. Penick & Co. announce a change in the Middle-West representation which is occasioned by the purchase of the business of P. E. Anderson & Co., Inc., wherein P. E. Anderson joined the Penick organization as vice-president and manager of sales. George S. Mackay, who was connected with P. E. Anderson & Co. for so many years, joins S. B. Penick & Company on October 1 as their Middle Western sales representative, covering most of his old territory, also adjacent cities in the Middle West, which were taken care of for the past two years for S. B. Penick & Co. by R. M. Stevenson.

### IMPORTS OF DRUGS INCREASE

There was a marked contrast in the import and export trade of drugs and botanicals for August, with the imports having increased 55 per cent in values to \$661,100 (12,650,700 pounds), and the exports having declined 63 per cent to \$149,060 (617,300 pounds).

Purchases of licorice root from foreign countries were much heavier during the current August than during August 1924. The value was \$303,700 (10,529,500 pounds).

A recovery of 5 yen per 100 kin has been registered in the Kobe pyrethrum market, in spite of the heavy crop yield, which is estimated to be 2,000 tons over last year when 4,000 tons were produced. The average annual export is 3,000 tons, which, with 1,500 tons added for home consumption leaves a carry-over of 1,500.

## The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, see Chemical pages 1002-1020

### CRESOL TEMPORARILY OFF MARKET

No Stocks Immediately Available, But Manufacturers Have Not Changed Quotations—Iodine Tincture Advanced With Iodides Continuing Firm—Codliver Oil, Menthol and Mercury Lower—Carbolic Acid Reduced.

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

##### Advanced

Cresol, U.S.P., No Stocks      Hydrastine, \$2.50 oz.  
Haarlem Oil, dom., 10c gross. Iodine Tincture, 20c lb.

##### Declined

Acid, Carbolic, 2c lb.      Mercury, \$1.00 flask.  
Codliver Oil, \$1.00 lbl.      Potassium Bromide, Imp., 1c lb.  
Glycerin, dyn., 3/4c lb.      Silver Nitrate, 3/4c oz.  
Menthol, 50c lb.      Thymol, 10c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid .....	.35	.35	.35	.35	2.00	.20
Acid Citric Import .....	.45	.45	.45	.45 1/2	1.25	.45
Catechine, Alkaloid .....	3.75	3.75	3.75	3.50	13.00	3.65
Calomel, American .....	1.37	1.37	1.37	1.22	3.43	.90
Camphor, Jap. ref .....	.74	.74	.72	.66	3.55	.41
Iodine, Resublimed .....	4.65	4.65	4.65	4.65	5.00	3.75
Menthol .....	10.25	10.75	11.00	12.25	13.50	3.00
Potassium Bromide, Cryst. ..	.48	.48	.48	.38	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.4	4 1/2	.27
Strychnine Sulfate .....	.50	.50	.50	.49 1/2	1.05	.50
Average .....	2.121	2.155	2.194	2.36	5.92	1.56

Activity in the fine chemical market was not quite so great as recently, but was still very good. Such as it was, it produced several radical price changes. Dealers are looking at the present market with optimism and expect business from now on through the winter to be healthy. Cresol has suddenly become scarce and no offers are being made at the moment. Iodine is increasingly firm with tincture recording an advance in price and the iodides strong at recent figures. Carbolic acid, U. S. P., is lower following a recent decline in the price of phenol. Exchange conditions and an accumulation of stocks in Norway brought lower prices for codliver oil. Menthol is considerably lower, due partly to large crops and partly to the bearish activity of a large consumer. Quicksilver is easier with only a routine demand showing, and the new year's output of the Spanish mines imminent. Altogether, the price changes make rather a formidable array and indicate some activity on the market.

**Acetanilid**—There has been no change in either the demand or the price for this item.

**Acid, Benzoic**—Demand continues good with competition keen. First hand quotations are unchanged at 60c@62c lb as to quantity, but some lots are offered through second hands at 58c lb.

**Acid, Camphoric**—Normal activity continues at unchanged prices.

**Acid, Carbolic**—There has been a 2c decline in price for the U. S. P. Crystals are offered at 24c@33c lb as to quantity with liquid at 32c lb.

**Acid, Citric**—Demand is still good with prices fairly steady, some variations being shown according to holder.

**Acid, Salicylic**—Activity is reported good, with competition between sellers keen. Less shading of prices is reported.

**Acid Tartaric**—Buying remains active with prices well established and no change evident in the situation.

**Alcohol**—The market for alcohols is comparatively quiet at the moment with prices unchanged. Spot business is being done in some instances at slightly under the contract levels, but surplus is so slight that any increased demand would immediately raise the price to above that level.

**Alkaloids**—Little change is in evidence in the general market situation for alkaloids. Hydrastine has been advanced to \$19.50 oz. for the alkaloid and hydrochloride, and to \$21.59 for the sulfate. Interest is fairly strong for quinine, with resellers consistently offering at from 2c to 7c below manufacturers' figures. Strychnine and its salts have been reduced to 10c oz.

**Antipyrine**—Manufacturers prices are unchanged, with some additional firmness apparent.

**Bromides**—Inquiry is reported as steady, with supplies well able to cope with demand. Domestic prices are unchanged with imported goods quoted at 51c@53c lb as to holder for ammonium, 39c@40c for potassium and 43c@44c lb for sodium.

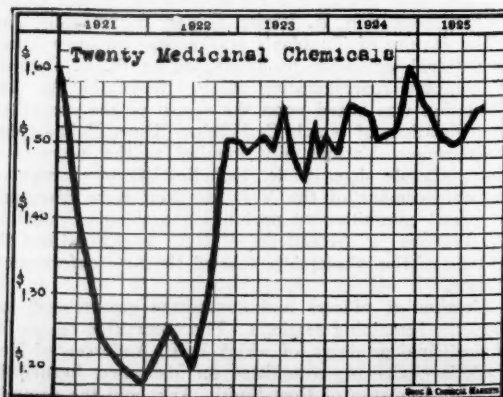
**Camphor**—Good steady demand is reported, although fall business in this commodity has so far been more or less disappointing. Prices are unchanged at recent figures.

**Codliver Oil**—The market has again declined, due largely to the condition of exchange and spot goods are offered at a range from \$40.00 to \$43.00 according to brand. Accumulation of stocks is also partly responsible for the decline.

**Cream of Tartar**—This situation remains unchanged with prices for imported somewhat unsteady at 20 1/2c@21 1/2c lb as to holder.

**Cresol**—It is rumored that one of the principal producers has dropped out on account of the low yield of the U. S. P. from the crude, and this has thrown demand upon other producers and temporarily wiped out their stocks. None is offering at the moment but quotations are unchanged and prices will be at their present level when goods are again available.

**Fusel Oil**—There has been no basic change in this item with the price now generally held at around \$2.00 gal. for the crude.



**Glycerin**—C. P. is unchanged with dynamite reported firmer but slightly lower in price at 18½¢ lb. Other grades of crude unchanged and firm.

**Guaiacol**—This item is firm at recent advance to \$2.00 @ \$2.25 for the liquid. There has been no change in the crystals or the carbonate.

**Haarlem Oil**—Domestic has been advanced and the best that can now be done is at \$3.10@ \$3.25 per gross with imported unchanged at \$3.65 gross.

**Iodine**—Tincture has been advanced and is now quoted in first hands at \$4.85@ \$4.90 with second hand sellers offering at \$4.75. Crystals are unchanged. Iodides are firm with no change other than the recent advance in the potassium.

**Menthol**—Continued bearing down on the market by a large consumer, coupled with unusually large crops in Japan, is now having its effect and prices have declined to \$10.25@ \$10.50 as to quantity with possibility of doing \$10.20 on firm bids. Future positions are easy with little being done in them at present.

**Mercury**—Sales were being made at the beginning of the week at \$80.50, although the market was openly quoted at \$81.00 per flask. The Spanish mines are opening up, and although new goods will not reach this market for some time, their effect is already being felt.

**Silver Nitrate**—Continued fluctuations characterized this market and the beginning of the week found the price reduced to 47¾¢ oz.

**Thymol**—Scarcity again developed in the local market and at one time the lowest that could be done in New York, was \$4.10 lb. Some stocks, however have appeared and relieved the situation so that the price has again receded to \$3.90 lb to \$4.35 as to seller.

**Zinc Stearate**—Demand continues active with prices unchanged and resale material just a trifle under manufacturers' quotations.

More than \$266,000 worth of cocoa changed hands within the first few minutes of trading on the New York Cocoa Exchange which opened its doors on Thursday, Oct. 1. The three standard grades in which the exchange deals are the main Accra crop, Bahias and San Thome, but practically all other grades are deliverable on exchange at variations in prices, some being at premiums and additions and others at deductions from the contract price provided in the by-laws.

The Bureau of Supply, Treasury Department, has awarded the following contracts for chemicals: Mallinckrodt Chemical Works, 100 pounds anaesthetic ether at \$520; Owl Fumigating Corp., 500 pounds sodium cyanide at 20½¢ for 4 ounce briquettes; and Stewart & Holmes Drug Co., 250 pounds talc at 2¢ lb, 460 pounds sodium chloride at 10¼¢, and 2,000 pounds hydrochloric acid at 3½¢.

Frederick Locke, an exporter, who represented Richard Hudnut and William R. Warner & Co., died Thursday and night in the White Plains Hospital after a short illness. He was 54 years old.

N. H. Graesser of Graesser-Monsanto Chemical Works, Ltd., Ruabon, North Wales, is visiting the home office of Monsanto Chemical Works, St. Louis.

Stock, machinery and fixtures of Van Dyk & Co., manufacturing chemists, 4-6 Platt st., New York damaged Sept. 24, were insured for \$37,500.

**ADVANCE JAPAN MINT OIL IN LONDON**

**Higher Prices Asked for Oils Spearmint and Cassia—Pepper and Almonds Advanced—Oil Eucalyptus, Star Anise Oil and American Peppermint Oil Firmer—Mercury, Arsenic, Pyrogallic Acid and Saffron Lower**  
(Special Cable to Drug & Chemical Markets)

London, Oct. 7—A decided improvement is seen in the fine chemical and crude drug markets. The feature of the week is Japanese mint oil, which has advanced three shillings for spot goods and one shilling for forward delivery. Higher prices are quoted for spearmint oil, cassia oil, pepper and almonds.

The market is much firmer for oil eucalyptus, star anise oil, American peppermint oil and cream tartar.

Quotations are easier on carbolic acid, oil lemon on spot, castor oil in gallon quantities and shellac for forward delivery.

The market is lower for cadmium, mercury, arsenic, pyrogallic acid and saffron.

London, Sept. 26 (By Mail)—There is more activity in the drug market and prices have an improving tendency. British makers have officially raised the price for salicylic acid to 1s 5¼d@1s 6d per lb. Thymol has also been advanced by domestic makers to 12s 6d@15s, according to quantity. A good deal of interest continues to be centered in essential oils.

**French Lavender** is firmly maintained.

**American Peppermint** is in more demand with sales at 67s 6d to 70s per lb.

**Japanese Mint Oil** is easier at 24s per lb.

**Italian Essences** again come over dearer by cable and more business is reported in lemon oil, several round lots having changed hands at 5s 6d to 6s per lb for spot delivery while forward shipment now costs 6s 9d per lb c. i. f.

**Bergamot** is advancing daily and an excited market is reported from Sicily at 27s 6d per lb c. i. f. Spot sales have been more frequent each succeeding deal recording an advance. Notwithstanding the recent marked improvement in the value of the Lira the market has not fully reflected the late advances in Italy and stocks are still available at 23s 6d per lb.

**Cascara Sagrada** is more in demand around 62s 6d per owt. ex-wharf against 60s c. i. f. asked for early shipment.

**Chamomiles**, Belgian, Roman, are in better demand and the best samples fetch 160s per cwt., seconds 150s, thirds 140s per cwt. The total crop now ended is said to be one of the shortest on record.

**Ergot of Rye**, Spanish, is only sparingly offered at about 1s 9d per lb c. i. f. Spot stock is small. Curacao Aloes are reported dearer to arrive at 55s per cwt., c. i. f.

**Senega** is rather dearer at 2s 9d per lb being about the figure now asked c. i. f. to arrive.

**Codliver Oil**, Lofoten, is slightly lower, being governed solely by the variations in the exchange rate.

**Arsenic and Shellac** are lower in a dull market.

**Eucalyptus Oil** is hardening and an advance is probable.

Dr. Arthur D. Little, in opening the courses for students at the Chemical Exposition, stated that while the world undoubtedly owes a great deal to Germany for the development of chemistry, German supremacy is a thing of the past and a student can obtain better instruction in the United States.

## The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 1020-1025

### MARJORAM AND SABADILLA HIGHER

**Active Trading Brings a Number of Price Changes—**  
**Advances Due to Increased Demand or Short Crops—**  
**Declines Due to Larger Stocks—Helonias Advances**  
**—Celery Seed, Damiana, Musk Root and Valerian**  
**Easier—Spice Market Quieter**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Aletris Root, 1c lb.	Myrrh Gum, 1c lb.
Aloes, Curacao, 1/2c lb.	Paprika, 1/2c lb.
Cassia Buds, 3c lb.	Pepper, 1/2c lb.
Cinchona, broken, 1/2c lb.	Pimento 1/2c lb.
Digitalis Leaves, 1c lb.	Sabadilla Seed, 5c lb.
Cinnamon, 2c lb.	Sarsaparilla, Mex., 1c lb.
Helonias Root, 6c lb.	Savory Leaves, 1/2c lb.
Mace, West Indian, 1c lb.	Stavesacre Seed, 5c lb.
Marjoram Leaves, 3c lb.	Thus Gum, 1c lb.
Millet Seed, 1/2c lb.	Thyme, 1/2c lb.
Declined	
Anise, Russian, 1/2c lb.	Lobelia Herb, 2c lb.
Buckthorn Bark, 1/2c lb.	Mandrake Root, 1/2c lb.
Celery Seed, 2c lb.	Musk Root, 5c lb.
Cloves, Zanz., 1/2c lb.	Mustard, 1/2c lb.
Cubeb Berries, 2c lb.	Rape Seed, 1c lb.
Cumir Seed, 1/2c lb.	Saffron, Spanish, \$1.00 lb.
Damiana Leaves, 15c lb.	Tamarinds, 1/2c lb.
Ginger, 1c lb.	Turpentine, Venice, 1c lb.
Guaiaac Gum, 2c lb.	Valerian Root, 5c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, USP .....	.25	.25	.25	.35	.90	.42
Buchu Leaves, Short .....	.62	.62	.62	.76	4.00	.85
Cantharides, Russian .....	.65	.65	.65	.90	9.00	2.10
Cocculus Indicus .....	.07 1/4	.07 1/4	.07 1/4	.08	.85	.08
Ergot, Spanish .....	.85	.85	.85	.31	4.50	.34
Insect Powder, pure .....	.28	.30	.30	.46	1.00	.28
Ipecac, Cartagena, powd..	2.60	2.60	2.60	2.40	4.50	1.35
Nux Vomica .....	.05	.05	.05	.05	.14 1/2	.07
Opium gum .....	12.00	12.00	12.00	12.00	30.00	5.00
Rhubarb Root, H D .....	.35	.35	.35	.35	1.75	.15
Tragacanth No. 1, ribbon	1.45	1.45	1.45	1.15	6.00	1.50
Wild Cherry Bk Thin nat	.08	.08	.08	.08 1/4	.21	.07

Average ..... 1.586 1.586 1.581 1.50 5.28 1.60

The market for crude drugs showed considerable activity during the week, resulting in a number of more or less important price changes. In many instances the spot market is easier than shipment positions and as soon as stocks become depleted, higher prices will of necessity develop. There are no very large stocks in the market and any demand will develop shortages. Some new crops have relieved the market and the consequent declines in price almost equal the advances. No one item can be taken as of outstanding importance in the week's developments, but the continued advances in marjoram and sabadilla with the additional advance of helonias attracted some attention. New crops have eased the situation considerably in celery seed, damiana leaves, musk root and valerian root, with consequent lower prices.

**Aletris Root**—The price of this has advanced in sympathy with helonias and is now quoted at 36c@37c lb.

**Aloes**—Curacao aloes has advanced to 10 1/2c@11c lb. Other varieties unchanged at recent quotations.

**Balsams**—There has been no further change in any of the balsams recently, with the market for copaiba, Peru and tolu balsams and Canada and Oregon fir, steady and quiet.

**Buckthorn Bark**—The market for this item has declined to 6 1/2c@7c lb.

**Calendula Flowers**—There has been no easing up in this situation and prices are firm at 75c@85c lb.

**Cinchona Bark**—Broken quills are no longer obtainable at former levels, having advanced to 25c@26c lb. Long quills are unchanged.

**Cubeb Berries**—The XX berries are slightly easier and are now procurable at 63c@65c lb with the powdered unchanged.

**Damian Leaves**—The recent high positions held by this commodity are weakening and leaves are now obtainable at \$1.10@\$1.25 lb.

**Digitalis Leaves**—Better demand has advanced the price of these leaves to 11c@12c lb.

**Ergot**—Little change is seen in this market with prices held at recent figures or even higher in some quarters. Little is offering from Europe.

**Gums**—The market for gums continues firm and prices for the most part are steady. Myrrh has advanced to 25c@26c lb with thus up to 9 1/2c@10c lb. Guaiaac is a trifle easier at 38c@44c lb. Arabic is steady. Tragacanth is reported firmer, and asafetida, mastic and olibanum unchanged.

**Helonias**—Increased demand, coupled with a fairly tight situation with regard to stocks, has advanced the price of this root to 70c@75c lb.

**Insect Powder**—There has been no important change in this market with prices steady and buying fairly active.

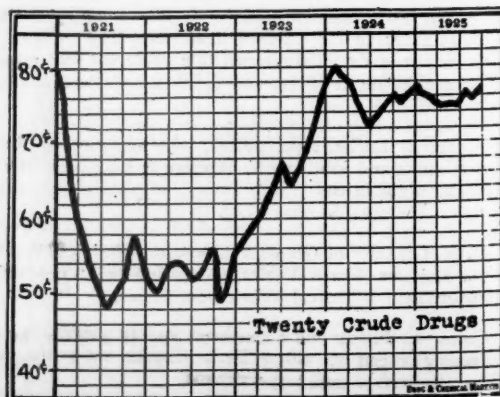
**Ipecac**—Although open quotations are unchanged, it is rumored that better is being done on the market.

**Larkspur**—Spot goods are scarce and generally held at \$5.00@\$5.10 lb with powdered at the upper figure. Goods for delivery in one month are much easier at \$2.75 lb for the whole.

**Lobelia**—Although stocks from the South are not freely offering, spot goods are still offered at 40c@42c lb with some holders inside at the upper figure.

**Lycopodium**—There has been no material change in this situation, prices remaining at recent levels, with some shading probable.

**Mandrake Root**—A slight stringency exists in this market but goods are offered in some quarters at 11c @ 12c lb.



**Marjoram Leaves**—This situation remains very tight with large replacements questionable and prices have further advanced bringing the German up to 45c@48c lb with the French up to 48c@50c lb.

**Musk Root**—Goods are offering a trifle more freely and the price has declined to \$1.25@1.30 lb.

**Sabadilla Seeds**—Scarcity continues and the whole seeds are now held at 20c@25c lb with the powdered at 25c@35c lb as to holder.

**Saffron**—Spanish saffron is a trifle easier at \$30.00@ \$31.00 lb with American unchanged at former quotations.

**Sarsaparilla**—Mexican sarsaparilla, which has been firmer, is now generally held at 24c@26c lb with Honduras unchanged.

**Thyme**—Both French and Spanish thyme have advanced to 8½c@9c lb.

**Turpentine, Venice**—True Venice turpentine is a trifle easier at 26c@27c lb, with artificial unchanged at former figures.

**Valerian Root**—Belgian valerian root has receded somewhat from former high positions and is now offered at 30c@35c lb.

### NAME BOARD FOR ALCOHOL APPEALS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Oct. 7—The establishment of a Board of Appeals for review of revocation proceedings for the Prohibition Unit is announced in a statement being sent out by C. R. Nash, acting commissioner of Internal Revenue which says:

A Board of Appeals, the members to consist of Julian Sharpnack, chairman, V. Simonton, and Patrick J. Finn, any two of whom shall constitute a quorum, is hereby established, which Board of Appeals shall, in the name of the Commissioner of Internal Revenue, and to the extent herein provided, review all hearings subject to review under these regulations, and make such findings of fact and reach such conclusions of law thereon as the case may warrant and enter a final order affirming, modifying or reversing the original decision or that rendered on re-hearing; and to that end the said Board of Appeals may from time to time make appropriate rules for the conduct of its business, not inconsistent herewith.

R. V. S. Hillier, of R. Hillier's Son Co., Inc., New York, is representing the National Crude Drug Merchants' and Millers' Association at the N. W. D. A. convention at Detroit, this week.

Paul Hopfe, Hamburg, is in New York on business and is making his headquarters at the office of W. Benkert & Co., who have represented his interests in this country for eighteen years.

William Neuberg, New York, fine chemicals, has been granted a remission of additional duties paid on imports, on a hearing before the Board of United States General Appraisers.

S. B. Penick, president, and P. E. Anderson, vice-president of S. B. Penick & Co., are in Detroit this week, attending the National Wholesale Druggists' Association convention.

John A. Foster, who has been acting prohibition administrator for the New York district for some time, has received a full appointment.

### NAME FORMULAS FOR PRESCRIPTIONS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Oct. 7—The following statement has been sent to prohibition administrators in connection with standards of alcoholic preparations under regulations Nos. 60 and 61:

#### Standards for Alcoholic Preparations Under Regulations 60

All United States Pharmacopoeia (U. S. P.), National Formulary (N. F.), American Institute of Homeopathy (A. I. H.) alcoholic preparations may, subject to the restrictions of Section 810, Article VIII, be approved by administrators. The standard flavoring extracts mentioned in Art. VIII, Section 805, may be likewise approved.

#### Standards for Alcoholic Preparations Under Regulations 61

The following U. S. P. and N. F. preparations made from the specially denatured alcohol formulas specified below may be approved by administrators:

Formula

Preserving formaldehyde, U. S. P. ....No. 22  
Tincture of iodine, U. S. P. No. 25, or 25 alternative  
Tincture Fortior, N. F. ....No. 27  
Soap liniment, U. S. P. ....No. 27  
Chloroform liniment, U. S. P. ....No. 27  
Liniment of Soft Soap, U. S. P. ....No. 27-B

Formulas and samples of all preparations made from alcohol, or specially denatured alcohol, other than those mentioned in the preceding paragraphs, should, for the present, be referred to the Department for decision.

The attention of wholesale and retail druggists and pharmacists should be directed to Article VIII, Section 814, Regulations 60, wherein it is stated that there are now only four formulas for medicating alcohol under Regulations 60 instead of six formulas, as in the previous regulations.

### MUST APPLY EARLY FOR ALCOHOL PERMITS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Oct. 7—C. R. Nash, acting commissioner of Internal Revenue is sending an announcement to collectors regarding the renewals of permits for tax-free alcohol. The statement follows:

Under the provisions of Regulations No. 61, revised July, 1925, issued pursuant to Title III of the National Prohibition Act of October 28, 1919, permits granted for tax-free alcohol on Form 1447 expire on the thirty-first day of December of the calendar year in which issued, unless otherwise designated. Therefore, persons or concerns holding permits on Form 1447, issued for the calendar year 1925, who wish to procure tax-free alcohol for use during the ensuing year, or who carry over to the ensuing year alcohol procured during the present year, should, as required by Article 74 of said Regulations, file applications for renewal permits. Renewal applications should be forwarded by the collector to the prohibition administrator having jurisdiction over the particular collection district, in accordance with the provision of Article 72 of Regulations No. 61, revised July, 1925. In order to facilitate the issuance of renewal permits, applications should be filed as far in advance of December 31 as may be practicable.

Applications should be submitted in quintuplicate in order that one copy may be available for transportation purposes, and each copy should be an exact duplicate of the original. All signatures should be made in ink.

## The Essential Oil Market

Current Spot Quotations of Essential Oils, pages 1014-1016, Aromatic Chemicals, 1026

### FURTHER ADVANCE IN PEPPERMINT PRICES

Dealers Reported Offering \$15.00 to Farmers Who Are Not Anxious to Sell—Spot Natural Up to \$16.00—Messina Essences Do Not Look Quite As Strong—Vanillin Easy—Menthol Cut

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Peppermint, 50c lb.	
Declined	
Oil Bergamot, 25c lb.	Oil Orange, Ital., 5c lb.
	Menthol, 50c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot .....	\$5.50	\$5.75	\$5.00	\$1.35	\$7.00	\$5.00
Oil Citronella Ceylon .....	.50	.50	.50	.75	1.02	.60
Oil Cloves .....	1.90	1.90	1.90	1.85	3.70	1.40
Oil Lemon, Italian .....	2.00	2.00	1.65	.82	1.70	2.00
Oil Peppermint Nat .....	16.00	15.50	14.00	5.25	9.00	2.54
Oil Sandalwood, E. I. ..	7.00	7.00	7.00	6.15	14.00	5.25
Oil Sassafras, Artif. ....	.27	.27	.27	.35	1.00	.26
Coumarin .....	3.10	3.10	3.10	3.25	31.00	3.10
Benzaldehyde U. S. P. ..	1.30	1.30	1.30	1.50	5.15	1.50
Methyl Salicylate Cans ..	.43	.43	.43	.47	1.00	.85
Vanillin .....	.44	.44	.49½	.49½	.95	.20
Average .....	3.53	3.50	3.27	2.26	6.83	2.05

At the time of the year when peppermint prices should be going down, they are climbing steadily. With the 1925 distillation completed, offers of new oil should ordinarily tend to depress the price. However, during the week, dealers have bid fifteen dollars to farmers for peppermint and have been turned down. The price in local quarters has advanced about fifty cents further to sixteen dollars for natural oil. Business in essential oils generally has been quite active during the week. The broad upward trend in prices does not seem to be quite as pronounced as was noted a fortnight or so ago, but nevertheless, the market undertone remains firm. Lower prices for shipment for Messina essences gives a slightly easier appearance to the market here. A sharp cut has been made in menthol prices.

#### Essential Oils

**Oil Almond**—No change recorded. Peach kernel oil is still very scarce and inside at 58c lb on spot. Some houses quote 60c and 65c. Sweet almond holds very strong at a recent advance to 85c inside, ranging to \$1.10 as to seller and brand.

**Oil Anise**—Has quieted down this week although prices hold firmly at 75c lb inside for U. S. P. oil on spot with a tendency to make it 78c inside by some houses. Import cost remains high.

**Oil Bergamot**—Sellers who named \$5.75 and \$5.90 last week, in some cases are now mentioning \$5.50 lb as the market. The range for some brands, however, still goes to \$6.00 lb, but the market appears easier. Lower cables during the week undoubtedly had the greatest effect in softening the spot position. Plenty of spot oil, standard goods, at \$5.50 and other oil down to \$5.00.

**Oil Cassia**—Spot redistilled goods are held firmly at

\$2.90 ranging to \$3.00 for cans as to seller. With the first rise last week, the jump brought most sellers to \$2.95 and \$3.00. The market settled down to \$2.90 inside, however, and this is still quoted. Shipment costs remain high. Technical oil on spot is more or less a nominal factor, anything from \$2.25 up to \$2.50 being mentioned, but with nobody evidently having a definite idea of the exact market.

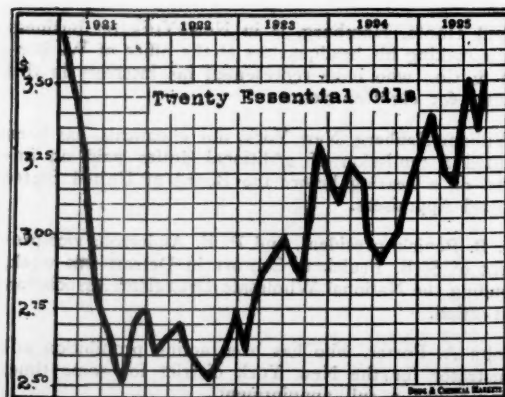
**Oil Citronella**—Stocks here are reported not as large as a month or so ago. The price however remains the same ranging from 48c lb for Ceylon oil in drums all the way to 53c lb as to quality, quantity, and seller. Demand is only routine. Java oil continues quiet and easy at 85c@90c lb spot drums.

**Oil Cloves**—Steady and quiet at \$1.90 lb cans from distillers. The recent cut in vanillin does not appear to jibe very well with the clove oil situation.

**Oil Lemon**—The undertone of the spot market reflects slightly less strength. Prices are about the same, but tend easier, with the range from \$1.95 up to \$2.25 for standard brands as to seller. Demand is not active as consumers are believed to be quite well stocked at this time. The basic outlook in Sicily, however, is reported to indicate a continuance of high prices.

**Oil Orange**—Spot position appears easier. Lower for shipment reported here. Spot sellers name \$2.75@\$3.00 lb as to brand and quantity. Although last week some lots were available at \$2.75, the general run of the market to consumers was \$2.80. West Indian oil \$2.55 @\$2.75 lb.

**Oil Peppermint**—The spot price has been moved to \$16.00 lb inside for natural oil in cases with redistilled oil held at \$17.00 lb and up. This reflects the strong position in the country. Offers to farmers by country dealers of \$15.00 were reported turned down during the week. This compares with reported sales for shipment last week at \$14.75. At the season when peppermint prices are usually lowest, the market shows a gain of two or three dollars per pound over July prices. Instead of declining, the market continues to move higher. That hundreds of consumers remain uncovered in their peppermint needs is quite generally known. Buying is still very limited, compared to what it usually is at



this time of the year. The country appears to retain its strong hold on the situation.

**Oil Spearmint**—Both \$11.00 and \$12.00 lb for spot spearmint are heard here. Stocks are scarce and the price trend is still upward.

**Oil Wormseed**—Quiet and unchanged at \$4.75 lb spot. Demand is restricted and position is easier.

**Aromatic Chemicals**

**Benzaldehyde**—No change in market position. Competition continues keen between domestic and imported goods. American makers' schedule \$1.30 lb U. S. P.; \$1.50 f. c. Imported guaranteed U. S. P. at \$1.10 to \$1.25 lb.

**Menthol**—A sharp cut in the spot price brought quotations down to \$10.25 lb for cases with occasional lots at \$10.20. Less cases \$10.50 up. Competition is keen on spot. Demand is quiet. Forward positions appear to be well maintained by sellers.

**Vanillin**—At low ebb, apparently, following cut announced last week. Spot goods offered down as low as 40c oz. in resale quarters. Manufacturers base price present is indicated as bottom of the market owing to remains 44c oz. Competition is very keen, but the the strength of the clove oil position.

**Vanilla Beans**

Unchanged and easy. Demand is still smaller than normal. Prices are at the same levels: Bourbons, \$4.00 up to \$5.00 as to quality, quantity, and seller. Mexicans at \$7.50 to \$9.00 lb. Tahitis are lower at \$3.25 ranging upward to \$3.50 as to seller.

**OIL CITRONELLA PRICES ADVANCE**

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Batavia, Java, Sept. 1—The citronella market opened with no material change in the situation, but prices soon rose to a higher level, owing to good demand from foreign markets. For August and August-September delivery buyers came into the market at florins 4.40 per kilo, but holders asked florins 4.50. During the last week, however, an easier tone developed. Holders were inclined to sell at florins 4.20 for July shipment, but exporters could not pay more than florins 4.15. The month closed with offerings at florins 4.10 for October-December, and florins 4.15 for July-September delivery, but buyers showed no interest.

Exports of citronella oil during the first seven months this year totaled 504,309 kilos, compared with 310,348 kilos for the corresponding period last year, and 274,986 kilos for the first seven months of 1923. Shipments to the United States are rapidly increasing, amounting this year to 168,451 kilos, against 53,230 kilos and 113,223 kilos, respectively for the corresponding periods of 1924 and 1923. Exports to France and England are increasing.

Shipments of oil citronella from Ceylon to the United States from Jan. 1 to June 30 amounted to 160 tons, and from July 1 to Aug 31, only 23 tons, according to a cablegram received by John W. Greene & Co., New York. Exports during September, October, November, and December will be light, the New York company says, as the heavy rains at this season interfere with the distillation.

Imports of perfume and toilet preparations during July were as follows, according to the Department of Commerce: Perfumery and toilet waters, 84,729 pounds, valued at \$120,256; nondutiable perfume materials, 1,359 pounds, valued at \$30,834; dutiable perfume materials, valued at \$97,403; and cosmetics, powders, creams, etc., 73,239 pounds, valued at \$37,673.

**The Editor's Correspondence**

**Disagrees on Peppermint Situation**

Editor, DRUG & CHEMICAL MARKETS:

We have refrained from writing you on your bits of "foolish ideas" on the Oil Peppermint situation; but you have persisted in talking wisely on a subject of which it seems to us, you know nothing of. In your various articles on Oil Peppermint you state or hint that you receive many different opinions or advice as to the crop situation on this article, and it leaves you in an uncertain state of mind. So from this wouldn't you believe that the wisest policy is to thoroughly investigate the situation yourself, and thereby eliminate the "guess-work".

In many of your statements you hint as if the Primary dealers are a banded organization whose main purpose in life is to take advantage of the Consumer. But no monopoly exists amongst the dealers here, this matter was investigated by the Department of Justice and not a thing wrong was found by them. Further the Primary dealers are not speculators, but apply to their business the soundest of economic principles.

In brief our final analysis shows that the peppermint yield will at the maximum not exceed 200,000 pounds, and a very probable minimum of 160,000 pounds; also to be taken into consideration is that we enter the new crop year without any carry-over of oil. The above figures are backed by us, and will aid anyone who cares to have these figures verified. Kindly take the above facts into consideration before publishing anything further on Oil of Peppermint.

Bremen, Ind.  
Sept. 21, 1925.

M. BROWN & SONS.  
M. BROWN

Note: DRUG & CHEMICAL MARKETS has published only what it has believed to be the facts of the peppermint oil market and crop situation. It has tried to sift out the truth from propaganda, and has been unhampered in this by financial interest in either the bull or bear side of the market.

—The Editors.

**ESSENTIAL OIL EXPORTS LESS IN VALUE**

The exports of essential oils in August diminished one-fifth in value, to \$85,000, but improved one-fifth in quantities, to 86,600 pounds. The total imports for the group recorded 47 per cent increase over the preceding August, or a total value of \$531,800 for the month of August, 1925.

A falling off in the values, but an improvement in the quantities for many of the items included under the perfumery and toilet preparations group, was reported. The total exports were valued at \$657,500. Imports were estimated at \$469,000.

Floral water contained in small bottles to be used as prizes to foster sales, is dutiable at 75 per cent ad valorem under paragraph 62 of the 1922 law, according to a decision of the Board of General Appraisers in denying the petition of G. W. Sheldon & Co. for lower rates under other paragraphs of the 1922 law.

Heavy purchases by consumers of Bourbon geranium oil at the low prices which have prevailed during recent months have stiffened the market in Reunion, according to cables received by Ungerer & Co.

American toilet waters are popular among the Chinese in Amoy, according to Consul Leroy Webber. Principal competitors of American made preparations are products from two French manufacturers.

# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: Chemicals, including heavy, technical and industrial chemicals; fine, medicinal, and photographic chemicals; coal-tar crudes and intermediates; tanning and dye extracts; dye and tan woods; naval stores; fillers and pigments; dextrans, sizes and starches; fertilizer materials, accelerators and solvents, and miscellaneous products; Crude Drugs, including barks, herbs, roots, etc. Essential oils, including oleoresins, synthetic aromatic chemicals and isolates. Fatty Oils, including animal, vegetable, and fish oils, tallows, greases, and fats. All groups are in alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available.

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and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avoirdupois)	— .454 Kilogram
1 Kilogram	—2.20 Pounds

## Chemicals

Acetaldehyde Drs. or Cyl. e/l wks. D	...	.28
Acetaldehyde Drs. or Cyl. 1c/l wks. D	...	.30
ACETANILID, tech 150 lb bbls. D	...	.25
100 lb kegs	...	.27
USP, 200 lb bbls. D	...	.35
Second Hands	...	.35
Acetic Anhydride		
85%, 107 lb chys	...	.33
92-95%, 100 lb chys	...	.37
CP, 100 lb chys	...	.75
Tank cars, wks.	...	.12
Acetic Ether, see Ethyl Acetate		
Acetins, 50 gal drums	...	.35
Acetone, CP 700 lb drs e/l wks. D	...	.13
700 lb drs 1c/l wks. D	...	.13
850 lb drs 1c/l wks. D	...	.14
Acetone Oils, light, drs wks. gal	...	1.40
Heavy, drs, wks.	...	1.40
Acetophenetidin, 225 lb bbls	...	1.85
Acetyl Chloride, 100 lb chys	...	.83
Acetylene Tetra Bromide	...	1.50
Acetylenetetrachloride Drums wks. D	...	.10
850 lb, 1, 2, 4, 850 lb bbls. D	...	1.80
Acetic, 35%, 400 lb bbls. e/l	...	3.00
25%, 1c/l wks. 100 lb	...	3.35
50%, 1c/l wks. 100 lb	...	5.00
50%, 1c/l wks. 100 lb	...	5.85
70%, 1c/l wks. 100 lb	...	6.89
70%, 1c/l wks. 100 lb	...	7.14
80% coml. bbls. e/l wks. 100 lb	...	7.73
80% coml. 1c/l wks. 100 lb	...	8.08
80% pure bbls. e/l wks. 100 lb	...	8.72
80% pure 1c/l wks. 100 lb	...	9.87
Glacial, bbls. e/l wks. 100 lb	...	10.87
Glacial, 1c/l wks. 100 lb	...	10.83
Glacial, USP chys, wks. 100 lb	...	11.32
Acetylalloylic, 225 lb bbls	...	.73
Second hands	...	.73
Anthranilic, tech, drs	...	.80
99-100%, 100 lb drs	...	.98
Benzoin, tech, 100 lb bbls	...	.57
Tech. ton lots bbls	...	.57
USP, 100 lb bbls	...	.60
Boric, crys. powd 350 lb bbls	...	.99
Kegs, 100 lb	...	.10

ACID		
Butyric, 60% pure, 5 lb bot. D	...	.55
90%	...	.70
C.P. 10 lb bot.	...	1.25
Camphoric USP, VIII 1 lb bot	...	4.85
Carbolic 18P crys. see also Phenol		
112 lb tins	...	.24
25 lb tins	...	.26
5 lb tins or bot.	...	.28
1 lb bot.	...	.33
Liquid USP, 1 lb bot	...	.32
Crude, 35% 50 gal bbls. gal	...	.31
10% 50 gal bbls. gal	...	.25
Carbonic, 5 lb Carbon Dioxide		
Chloroacetic		
Mono 100 lb bbls. wks. D	...	.25
DI, 150 lb chys. wks. D	...	1.00
Tri, 5 lb bot.	...	2.50
Chloroformic, 1500 lb drs.		
Wks.	...	.15
Chromic, USP, 200 lb drums	...	.37
85% Pure, 200 lb drums	...	.35
Chromotropic, 300 lb bbls	...	1.35
Chrysanthemic, see Chrysanthol		
Cinnamic, 5 lb cases	...	2.25
CITRIC, USP, crys. 250 lb bbls	...	.45
Food, USP, 200 lb bbls	...	.46
Imported crys, 112 lb kegs	...	.45
Single kegs	...	.47
Cleval, 250 lb bbls	...	.95
Cresylic, 95% dark drs NY. gal	...	.54
97-99% pale, drs NY. gal	...	.54
Crude, spot, drums	...	.54
Diethylbarbituric, Dom. 25 lb lots		
1 lb bot.	...	8.00
Imp. 10 lb lots	...	4.00
Formic, 85% tech, 140 lb chys	...	.10
90%-80 lb chys incl	...	.10
Gallie, USP, 150 lb bbls	...	.05
Gamma, 225 lb bbls wks	...	1.30
Glycerophosphoric, 25% 1 lb bot.		
...	...	1.85
H 225 lb bbls wks	...	.68
Hydrolic, 10% USP 5 lb bot	...	.65

ACID (Cont.)		
Hydrobromic, 48% coml. 155 lb		
chys. wks.	...	.48
48% coml., 10 chys. wks. D	...	.45
40% USP, 155 lb chys. wks. D	...	.55
10% USP, 100 lb chys. wks. D	...	.13
Hydrochloric, see also Acid Muriatic		
CP, USP, 110 lb chys. D	...	.07
Hydrocyanic, wks, cyl. D	...	.90
HYDROFLUORIC, 30% 400 lb bbls		
wks.	...	.06
30% 100 lb chys. wks. D	...	.08
48% single 100 lb chys. wks. D	...	.10
52% 100 lb chys. wks. D	...	.12
52% 10 chys. wks. D	...	.11
60% 100 lb chys. wks. D	...	.14
60% 800 lb dr. wks. D	...	.13
White Acid, 100 lb chys. wks. D	...	.26
White Acid, 10 chys. wks. D	...	.25
Hydrofluosilicic, 35% 450 lb bbls		
wks.	...	.10
Hypophosphorous, USP 30% 8		
gal. dems	...	.35
USP, 10% 8 gal. dems	...	.36
LACTIC, 22% dark 500 lb bbls	...	.05
22% light, bbls	...	.06
44% dark, bbls	...	.11
44% light, bbls	...	.13
66% dark, bbls	...	.18
66% light, bbls	...	.28
USP, IX 100 lb chys	...	.70
USP, VIII 100 lb chys	...	.50
Laurent's, 250 lb bbls	...	.80
Metanitic, 250 lb bbls	...	.80
Mixed, Sulfuric-nitric		
Drums, wks.	...	.07
Drums wks	...	.01
Tank cars, wks	...	.00
Tank cars, wks	...	.01
Molybdic, 85% pure 100 lb kegs	...	1.25
100% C. P. 100 lb kegs	...	1.30
Monosulfuric F. Delta, 50 lb		

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sures the highest  
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LONDON, ENGLAND

## Chemicals

## ACID

<b>MURIATIC, 36° chgs. 1c/l</b>		
whs. ....100b	1.60	1.70
Chgs. c/l whs. ....100b	...	1.35
Tank cars, whs. ....100b	...	1.00
18°-120b chgs. ....100b	...	1.35
c/l whs. ....100b	...	1.35
Tank cars, whs. ....net ton	...	...
23°, 120b chgs. ....100b	...	1.75
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthionic, tech 250b bbls	.55	.50
Neville & Winter's, 250b bbls	.95	.99
<b>NITRIC, 36°, 135b</b>		
Chgs. 1c/l whs. ....100b	4.75	5.00
Chgs. c/l whs. ....100b	4.50	4.75
88° 1c/l chgs. whs. ....100b	5.35	5.75
Chgs., c/l whs. ....100b	5.00	5.35
40° 1c/l chgs. whs. ....100b	5.75	6.00
Chgs. c/l whs. ....100b	5.50	5.75
42° 1c/l chgs. whs. ....100b	6.35	6.75
Chgs. c/l whs. ....100b	6.00	6.35
U. P. chgs. single whs. ....100b	.12	.13
Senalk, 300b bbls., whs. ....b	.10%	.11
Bbls., NY ....b	.10%	.11
Kegs, 100b NY ....b	.11%	.11%
Imp. 500b casks ....b	.11	.11%
Phenylmethanone, domestic ....b	9.20	9.60
Imported, 5b ....b	6.00	6.35
Second hands ....b	...	5.50
Phosphoric, 60% conc. 150b chgs. ....b	.07	.07%
Syrupy USP, 70b drums ....b	.15	.10
Demis ....b	.16	.17
Imported ....b	.15	.16
Second hands ....b	.15	.16
Phthalic, see Phthalic Anhydride		
Picramic, 300b bbls ....b	...	.50

## ACID

Picric, 450b bbls ....b	.25	.27
Pyrogallic, crys. 5b casks ....b	1.25	1.30
Resublimed, 5b casks ....b	1.50	1.60
Tech. powd., 200b bbls ....b	...	.85
Salicylic, tech., 125b bbls ....b	.33	.34
USP, 100b bbls ....b	.34	.35
Second Hands ....b	.33	.34
Sulfamic, 250b bbls ....b	.15	.16
<b>SULFURIC, 66° 130b chgs.</b>		
1c/l whs. ....100b	1.50	1.55
Chgs., c/l whs. ....100b	...	1.35
1500b Drums, 1c/l whs. ....100b	...	1.10
Drums, c/l whs. ....100b	...	.80
Tank cars, whs. ....net ton	...	14.00
60° 1500b Drums	...	1.00
1c/l whs. ....100b	...	.80
Drums, c/l whs. ....100b	...	.80
Tank cars, whs. ....net ton	9.50	10.00
C.P. 175b chgs. ....b	.07	.08
Gleum 20 p.e. 1500b drums	...	1.40
1c/l whs. ....100b	...	1.15
Drums, c/l whs. ....100b	...	17.00
Tank cars, whs. ....net ton	...	40.00
Gleum, 40% drs 1c/l whs. net ton	60.00	70.00
Gleum, 60% drs., 1c/l whs. net ton	.05	.06
Sulfuric, USP 6% 100b chgs. ....b	.04	.05
4% 100b chgs. ....b	.06	.08
Tannic, tech. 300b bbls ....b	.20	.40
USP, powd 200b bbls ....b	.75	.80
USP, fluffy, 50b bbls ....b	.75	.80
Tartaric, USP, crys. 300b bbls ....b	...	.39
USP, powd. 300b bbls ....b	...	.39
Imp. USP, 240b bbls ....b	.27%	.28
Powd., 240b bbls ....b	.28	.34%
Tobias, 250b bbls ....b	...	.85
Tungstic, 100b kegs ....b	...	1.00

## ACID

Valeric C.P. 10b bot ....b	2.50	2.75
Acetiline Alk. crys. 1 c/s vis. ....b	...	80.00
Amorphous, 1 c/s vis. ....b	...	20.00
Adeps Laurus, hydrous 350b bbls ....b	.13	.21
Anhydrous, 350b bbls ....b	.18	.23
Albumen, Egg. edible ....b	1.20	1.25
Tech. 100b drs ....b	.95	1.15
Blood 235b bbl ....b	.48	.55
Vegetable edible ....b	.60	.65
Technical ....b	.45	.50
<b>ALCOHOL, amyl See Fuel Oil</b>		
Benzyl, 5b bot ....b	1.45	1.55
Butyl 50gal drs whs c/l ....b	.232	.242
Drums, 1c/l whs ....b	.237	.247
Tank cars whs ....b	.227	.237
Ethyl, USP, 190 pf 50 gal bbls	4.94	5.04
Second hands ....gal	...	...
Export ....gal	.64	.69
Anhydrous, drums c/l ....gal	...	.66
Cologne Spirit, 50 gal bbls gal	5.04	5.14
Denatured		
No. 1 complete denat. 190 pf		
50 gal bbl incl. ....gal	.61%	.65%
Carlota ....gal	.59%	.63%
50 gal drums extra ....gal	.54%	.58%
Tank Cars ....gal	.52%	.56%
No. 1, Special denat. 190 pf		
50 gal bbl incl. ....gal	.60%	.64%
Carlota ....gal	.58%	.62%
50 gal drum extra ....gal	.53%	.57%
Tank cars ....gal	.51%	.55%
No. 5, Complete denat. 188 pf		
50 gal bbl incl. ....gal	.60%	.64%
Carlota ....gal	.58%	.62%
50 gal drums extra ....gal	.53%	.57%
Tank cars ....gal	.51%	.55%
No. 6, Complete denat. 190 pf		
50 gal bbl incl. ....gal	.59%	.63%
Carlota ....gal	.57%	.61%
50 gal drums extra ....gal	.52%	.56%
Tank cars ....gal	.50%	.54%

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**L**ACQUERS bearing the MECCO trade mark are valued for their rigid standards of quality. Their use is a guarantee of results — of the consistently highest type. The ability to impart permanent beauty and unquestioned durability insures satisfaction for every class of work. These splendid finishes, through their power to impart richness and elegance, enhance the attractiveness and value of your production.



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## Chemicals

## ALCOHOL (cont'd)

In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special use. Owing to the limitations of their use however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.

Diacetone, 50 gal. drs. fight allowed	gal	2.15	: 3.30
Isobutyl, crude, 50 gal. drs.	gal	...	...
Refined, 10 lb. cans	...	...	...
Isopropyl, refined, 90-91%, 50 gal. drs.	gal	1.00	: 1.25
Ref'd 98-99% drs.	gal	1.25	: 1.50
Phenylethyl, 1 lb. bot., dom.	lb	8.00	: 10.00
Imported	...	7.00	: 7.75
Propyl, nml., 50 gal. drs.	...	...	1.00
Ref'd 10 lb. cans	...	...	.75
Aldehyde Ammonia 100 gal. drums	...	.90	: .93
Alcoh., USP, 100 lb. cans	...	.85	: .88
Alpha-Naphthal crude 300 lb. bbls.	...	...	.65
Refined	...	.85	: .90
Alpha-Naphthylamine, 350 lb. bbls.	...	.35	: .37
Tec. lot, bbls. via	...	...	.35
ALUM., Ammonia, lump 400 lb. bbls.	...	...	...
via, 1c/l	...	3.15	: 3.50
imp., 500 lb. cans	...	...	1.00
Ground, 400 lb. bbls. via	...	3.30	: 3.75
Powd., 380 lb. bbls. via	...	3.55	: 3.90
Chrome, 500 lb. cks. via	...	5.25	: 5.50
Potash, lump 400 lb. bbls.	...	...	...
via	...	3.50	: 3.75
Bbls. c/l via	...	3.35	: 3.40
Imported lump	...	2.75	: 2.85
Ground, 400 lb. bbls. via	...	3.50	: 3.85

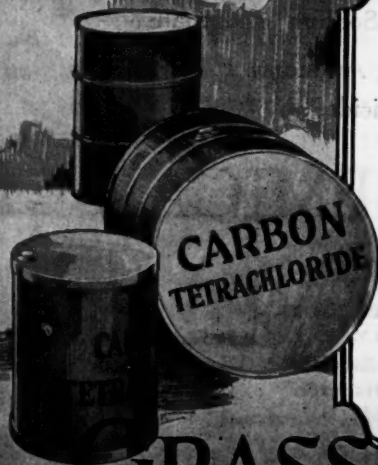
## ALUMS. Potash (Cont.)

Imp., 350 casks	100 lb	2.85	: 3.05
Powd., 380 lb. bbls. via	100 lb	4.00	: 4.50
Chrome, 500 lb. cks. via	100 lb	5.25	: 5.50
Soda grt. 400 lb. bbls. via	100 lb	...	3.75
Bbls. c/l via	...	...	3.50
ALUMINUM, metal, c/l NY	100 lb	27.00	: 28.00
Chloride, anhyd. 275 lb. drs.	...	.30	: .32
Crystals, 375 lb. bbls.	...	...	.06 1/2
30% sol. 120 lb. cys.	...	.03 1/2	: .04
Hydrate 96% light 90 lb. bbls.	...	.17	: .18
Heavy 62-64%, 320 lb. bbls.	...	.06	: .06 1/2
480 lb. bbls. via	...	.06 1/2	: .07
Stearate, 100 lb. bbls.	...	.22	: .23
SULFATE, Iron-free bags c/l	...	...	...
via	...	2.00	: 2.10
Bbls., c/l via	...	2.15	: 2.25
Imported, spot	...	1.70	: 1.75
Comm'l. 1/2 iron bags c/l	...	...	1.40
via	...	...	1.40
Cont. bag c/l via E	100 lb	1.35	: 1.40
Bags, c/l via W	100 lb	...	1.40
Bbls., c/l via East	100 lb	...	1.35
Bulk, c/l cont. via E	100 lb	...	1.50
Amidol (see Diaminophenol)	...	...	...
Antidopamine, imp., 10 lb. bams.	...	...	...
Domestic, 10 lb. boxes	...	4.60	: 5.00
Aminoozobenzene, 110 lb. kgs.	...	...	1.15
AMMONIA, anhyd 100 lb. cyl.	...	...	.16 1/2
Water, 26° 800 lb. drs. via	...	...	.06 1/2
Em. c/l via	...	...	.06 1/2
C.F., cys.	...	...	.12
C.F., 800 lb. drs. incl. spot.	...	.08 1/2	: .08 1/2
26° 100 lb. cys. 1c/l via	...	.08 1/2	: .08 1/2
Cys., c/l via	...	...	.08 1/2
20° 800 lb. drs. c/l via	...	...	.04 1/2
Cys. 1c/l via	...	...	.04 1/2
18° 800 lb. drs. c/l via	...	...	.04 1/2
Cys. 1c/l via	...	...	.04 1/2

## AMMONIA (Cont.)

16° 800 lb. drs. c/l via	...	...	.08 1/2
Cys., c/l via	...	...	.04
Ammonium Acetate, 100 lb. bags	...	...	.45
Domestic, USP, 1 lb. bot.	...	...	1.21
Bisulfide, 300 lb. bbls.	...	.21	: .23
100 lb. bags	...	.23	: .25
Bromide, 450 lb. bbls. 50 lb. busb.	...	.51	: .53
Imported, 112 lb. boxes	...	...	.55
Carb., tech. 560 lb. cags	...	.08 1/2	: .09
Powd., tech. 385 lb. bbls.	...	.07 1/2	: .08
USP, lump, 100 lb. kgs	...	...	.13 1/2
Powd. 100 lb. kgs	...	...	.14 1/2
Second hands	...	.11	: .11 1/2
Chloride, Domestic	...	...	...
White, 250 lb. bbls., c/l	...	...	.07
250 lb. bbls., 1c/l via	...	.07 1/2	: .07 1/2
Imported white 600 lb. cks	...	.05 1/2	: .05 1/2
Gray, 250 lb. bbls., via	...	.07 1/2	: .08 1/2
Bbls., c/l via	...	...	.07 1/2
Imported gray 250 lb. casks	...	.06 1/2	: .06 1/2
Lump, 500 lb. casks spot	...	.11 1/2	: .12
Ichthyolite, as to brand	...	4.85	: 5.00
Iodide, USP, 25 lb. jars	...	...	5.20
Lactate, 500 lb. bbls.	...	.15	: .16
Nitrate, tech., cys., 225 lb. bbls.	...	...	...
Refined Crystals, bbls.	...	.21	: .23
CP gran. 100 lb. bags	...	.35	: .37
Oralate, pure, 100 lb. bags	...	.35	: .37
Percolate, 220 lb. bbls.	...	.28	: .32
Phosphate, dibasic 200 lb. bbls.	...	...	.38
Tech. powd. 325 lb. bbls.	...	...	.13
Mono, 325 lb. bbls.	...	.12	: .12 1/2
Tri basic 325 lb. bbls.	...	...	.04
Sulfolate USP, 100 lb. kgs	...	.75	: .80
Sulfate bulk c-l	...	...	2.95
Southern points	...	...	3.00
200 lb. double bags f.a.s. 100 lb.	...	2.85	: nom
Sulfocyanide, tech., 100 lb. kgs	...	.40	: .45
CP, 25 lb. jars	...	.50	: .55
Amyl Acetate, tech 50 gal. drs.	gal	2.63	: 3.25
Refined, 50 gal. drums	gal	...	3.50
Alcohol, see Fuel oil	...	...	...

## CARBON TETRACHLORIDE



IN - 110 GALLON - DRUMS  
55 GALLON - DRUMS  
10 GALLON - DRUMS

For use in Dry Cleaning and Spotting;  
Oil Removal in the Textile Industry;  
Cleaning of Oily Machine Parts and  
Fine Machinery; Solvent in Miscellaneous  
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Birmingham Detroit New Orleans St. Louis  
Boston Milwaukee Paterson St. Paul  
Chicago

GRASSELLI GRADE  
A Standard Held High for 86 Years

## Chemicals

Amyl Butyrate absolute cans	1.20	1.30
ABSLINE OIL, 990 lb drums	.18	.17
Hydro Bromide	.75	.75
Aniline Salt, 200 lb bbls	.23	.24
Ammonia, 50%	.41	.43
Anthracene 80-85%, 600 lb cases		
via	.60	.65
Anthraquinone, subl 125 lb bbls	.95	1.00
Antimony metal, slabs tons lots	.17	.17%
Needle Powd, 100 lb cases	.18	.18%
Bromate		1.50
ANTIMONY CHLORIDE, anhyd 1000 lb		
dus	.16	.17
50 lb cracks	.45	.48
Sol'n, 130 lb cartons 33°		.48
Oxide, 500 lb bbls	.18	.19
Salt, dom 500 lb bbls	.26	.27
Imp. NY		.19
Sulfate golden 500 lb bbls	.18	.19
350 lb kegs		.20
Crimson 500 lb bbls	.39	.40
336 lb kegs		.42
Vermilion, 500 lb bbls	.48	.53
336 lb kegs	.50	.52
Tartrochlorate, 500 lb bbls		.45
Tribromide		1.05
Antipyrine, USP, 100 lb cases	1.75	1.90
Second hands	1.70	1.75
Apomorphine Hydrochloride, 1/4 oz. via os		22.10
Grain, double 600 lb bbls	.12	.14
Triple, 600 lb bbls	.16	.17
Cone, 600 lb bbls	.18	.20
Areoline Hydrochloride, 1 oz. via os	5.75	10.25
Argols, red powd., 350 lb bbls	.06%	.07
Arsenic, metal 220 lb kegs	.45	.50
Red, 224 lb kegs cases	.12	.12%
White 224 lb cases to 550 lb		
bbls NY	.03%	.04
tabernine, e/1	18.00	18.00
10/1	20.00	22.00
Aspirin, see Acid acetylsalicylic		
Aspirin alk. USP 1 oz via os	6.90	7.50
Sulfate, 5 oz cans		3.50
Single ounce		3.65
Second hands		3.00

BARIUM BINOXIDE, see Barium Oxide		
Bromide		.44
Bromate		.70
Carbonate, precip., 300 lb bbls		
via	52.00	54.00
Precip., 200 lb bbls, via, ton	50.00	52.00
Imports bags NY	44.00	46.00
Chloride, 800 lb bbls via, ton	61.00	63.00
200 lb bbls, via, ton	60.00	62.00
Imports, large crystals, bbls		
spot	58.00	60.00
Dioxide, 35% 600 lb drums	.13	.13%
Import, 86-88% 400 lb drums	.13	.13%
Hydrate, 500 lb bbls	.04%	.05
Iodide, 5 lb box		5.15
Nitrate, 700 lb cases		.10
Imports cases	.07%	.08
Sulfocyanide, 600 lb bbls	.30	.31
Barytes, flaked 350 lb bbls via, ton	23.00	24.00
Imported	29.00	33.00
Crude, i.f.f.		9.00
Bay Rum, Porto Rico, genuine		
Medicated salicyl. acid or tartar emetic		
45 gal bbls	.85	.88
Medicated quinine sulf. 45 gal.		
bbls	.85	.88
Domestic synthetic, 50 gal.		
Bbls	.70	.75
St. Thomas		
Medicated salicyl. acid or tartar emetic, 50 gal bbls	.90	.95
Benzaldehyde, tech. 945 lb drums		
via	.70	.75
USP, 40 lb chys.	1.15	1.30
FFC, 40 lb chys.	1.40	1.50
BENZENE, 90% 8000 gal. tanks		
via		.23
110 gal drums via		.29
Pure Tanks, via		.24
110 gal drums via		.29
Benzidine Base, dry 250 lb bbls	.75	.76
Benzidine Sulfate, paste 350 lb bbls	.70	.72

Benzol, see Benzene		
Benzonaphthol, 5 lb boxes	3.50	3.60
Benzoyl Chloride, 500 lb drums		1.00
Benzyl Acetate 100 lb chys	1.55	1.75
Benzonate, 5 lb bot.	1.60	1.75
Medicinal FFC	1.75	2.00
Chloride, 95% tech. 925 lb drums		.25
100 lb chys.	.35	.30
Radistil, 160 lb chys.	.30	.35
Formate, 1 lb bot.	3.25	3.50
Berberine Hydrochloride, 1 lb bot.		22.50
Sulfate, acid or neut. 1 lb bot.		22.00
BETA-NAPHTHOL, 350 lb bbls via, ton	.24	.25
Carlots, via		.23
Sublimed	.55	.60
Beta-Naphthylamine, tech. 200 lb bbls		.63
Sublimed, 200 lb bbls		1.35
Bichloride Mercury, see Mercury Bichloride		
BISMUTH metal, 100 lb cases		3.95
Second Hands	2.90	3.95
Ammon. Citrate, USP, 5 lb cans		5.30
Betanaphtholate, 5 lb bbs		3.30
Citrate, USP, 5 lb cans		5.75
Nitrate, 25 lb jars		3.00
Oxychloride, 25 lb bbs		3.50
Phenolsulfonate, 5 lb cans		3.05
Salicylate, 25 lb bbs		1.95
Subcarbonate USP, 25 lb bbs		3.45
X-Ray diag 1 lb bot.		3.80
Subgallate, USP, 25 lb bbs		3.80
Subiodide, 5 lb lots		4.55
Subnitrate, USP, 25 lb jars		2.75
Second hands	2.60	2.75
Cones, 1 lb bot.		3.75
Subsalicylate, USP, 25 lbs		3.05

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## Chemicals

<b>SIGNATURE (Continued)</b>		Tartrate, drums ..... D .57 : .60		<b>CAMPHER (Conts.)</b>	
above on basis 35 lb lots.		<b>CADMIUM, metal 100 lb kgs.... D</b>	.79 : .75	Jap. ref., 2 1/2 lb slabs, 100 lb	
Smaller lots at an advance.		Bromide, 50 lb cases jars wks D	1.15 : 1.20	ca. tab., 100cs ..... 1 lb	... : .74
Tri-Bromophenol ..... D	4.00	Iodide, 10 lb bot. .... D	4.45	1/2 ca. tab., 100 lb ca., 1 lb	... : .89
Blanc Fixe, dry 400 lb bbls. wks. ton	80.40 : 86.00	Sulfide, cs ..... D	1.20 : 1.25	..... D	... : .91
Imported, bbls. .... ton	70.00 : 73.00	<b>CAFFEINE ALK, USP 5 lb cases.. D</b>	3.75 : 3.85	..... D	... : .91
Paste, 650 lb bbls. .... ton	55.00 : 65.00	Second hands ..... D	3.50 : 3.60	Crude, 100 lb cs ..... D	.54 : .56
<b>BLEACHING POWDER, 700 lb drs.</b>		Citrate, 25 lb cases ..... D	2.70 : 2.85	<b>Campbor, Unimint, bbls ..... gal</b>	2.30 : 2.40
c/l wks. .... 100 lb	2.00	Hydrobromide, 1 lb bot. .... D	4.85 : 4.90	<b>Campbor, L-nobrom, 100 lb ca.. D</b>	1.85 : 1.90
Drums, 1c/l ex-warehouse.. 100 lb	2.35 : 2.40	Hydrochloride, 1 lb bot. .... D	6.05 : 6.55	Caracul, 50 gal. bbls. .... gal	.85 : .90
Contract, c/l wks. .... 100 lb	1.90 : 2.15	Sulfate, 1 lb bot. .... D	5.40 : 5.90	<b>Carbazol, 250 lb bbls. .... D</b>	... : .80
Drums, 1c/l wks. .... 100 lb	2.15 : 2.40	<b>CALCIUM, Acetate, 150 lb bgs c/l</b>		<b>Carbon Bisulfide, 500 lb drs lcl/NY D</b>	.06 : .06 1/2
Imported spot ..... 100 lb	1.90 : 2.05	100 lb	2.75	c/l drums, NY ..... D	... : .05 1/2
Blood dried f.o.b. NY ..... unit	4.15 : .10	Arsenate, 100 lb bbls c/l wks D	.07 : .08	<b>Carbon Black, c/l wks. bgs ..... D</b>	... : .08
Chicago ..... unit	4.50 : .10	Bromate ..... D	1.50	100-300 lb cases 1c/l NY ..... D	... : .12
5 Am. shipment ..... unit	4.35 : .10	Bromide, 100 lb cs ..... D	.60	Decolorizing 40 lb bgs c/l ..... D	.08 : .15
<b>Blue Ointment, see Mercury</b>		Carbide 220 lb dr. c-1 wks .. D	.05 1/2 : .06 1/2	90 lb drums. c/l ..... D	.08 1/2 : .15 1/2
<b>Blues, bronze Chinese, Millst.</b>		Carbonate tech. 100 lb bags	1.00 : 1.10	<b>Carbon Dioxide, Liquid, 20-25cy. D</b>	... : .08
Frussian, Soluble ..... D	.33 : .35	c/l 100 lb	1.00 : 1.10	Tetrachloride, 1400 lb drs NY D	.07 : .07 1/2
Glee Vitriol, see Copper Sulfate		USP, precip. 175 lb bbls. .... D	... : .06 1/2	Drums, c/l NY ..... D	.07 1/2 : .08
Bone S & 50 gr. steam Chgo ..... ton	30.00	Chloride, solid, 650 lb drs. c/l	21.00 : 23.00	700 lb drs, single NY ..... D	5.00 : 5.25
Raw, NY ..... ton	34.00	Imp. f.o.b. wks ..... ton	19.00 : 20.00	<b>Carmin, No. 40, 5 lb boxes ....</b>	.45 : .65
Bone Ash, 100 lb bags ..... D	.06 : .07	Flake, 375 lb drs, c/l drs. f.o.b.	... : 27.00	<b>Caseln, edib, 100 lb keg ..... D</b>	.13 : .14
Black, 200 lb bbls ..... D	.08 1/2	wks ..... ton	... : 30	Tech. 200 lb bbls ..... D	.13 : .14
Borax, crys. 400 lb bbls. .... D	.05 1/2 : .05 3/4	Anhyd, 350 lb drs f.o.b. NY D	.18 : .20	100 mesh ..... D	.14 1/2 : .17
Powdered, 300 lb bbls. .... D	.05 : .05 1/2	Glycerophosphate, 250 lb bbls. D	1.40	<b>Castoreum, See Aromatic chemi-</b>	
Kags, 100-150 lb ..... D	.05 1/2 : .08	Hvitate, see Lime		calcs, Perfumes, Sundries	
Bordeaux Mixture, 16% pd. bbls. D	.11 1/2 : .18	Hypophosphite, USP, 25 lb cases D	.60 : .65	<b>Castor Oil, USP, 50 gal. bbls. .... D</b>	.17 : .17 1/2
Paste, bbls. .... D	.08 : .10	Iodide, 5 lb bot. .... D	4.35	Cases, 80 lb 2 tins ..... D	.18 : .18 1/2
<b>Borneol, See Aromatic Chemicals</b>		Lactate, tech, 500 lb bbls ..... D	.35	<b>Tech. see Fixed Oils</b>	
<b>Crimestone, see Sulfur</b>		USP ..... D	.60	Caustic Potash, see potash, caustic	
(Freight allowed)		Nitrate, 220 lb bbls. c/l NY ton	50.00	Soda, see soda, caustic	
British Gum, com c-1 ..... 100 lb	4.52	Phosphate tech. 450 lb bbls D	.09 : .10	<b>Cellulose Acetate, 100 lb cases... D</b>	2.00 : 2.50
1c-1 ..... 100 lb	4.62	bbls, wks ..... D	.11 : .14	<b>Cerium Oxalate, USP, 100 lb kgs D</b>	.33 : .35
Bromide, see potash bromide, etc		Phosphate, mona, 335 lb bbls. D	.07 : .08	<b>Chalk, drop 175 lb bbls ..... D</b>	.03 : .03 1/2
Bromine, bot. in 50 lb ca. wks. D	.45 : .47	Sulfocarbonate, 100 lb kgs. .... D	.55 : .57	Precip light 560 lb cals ..... D	.04 1/2 : .04 3/4
Bromobenzene, 600 lb drums ..... D	.80	<b>CAMPHER, Amer. ref. 350 lb</b>		Precip. heavy 560 lb cals ..... D	.05 1/2 : .06 1/2
Bromoform, USP, 5 lb bot ca. .... D	1.65	bbls ..... D	.84	Bulk ..... ton	5.00
Brunel Alkaloid, 100 cs ..... cs	.10	2 1/2 lb slabs, 100 lb ca. .... D	.85 1/2	Precip. English, 7 lb bags ..... D	.08 1/2 : .09 1/2
Sulfate, 100 cs ..... cs	.10	1 lb cakes, 100 lb ca. .... D	.85 1/2	Precip. heavy 560 lb cals ..... D	.08 1/2 : .09 1/2
Second hands ..... cs	.08 1/2	1 ca. tab., 1 lb stems. .... D	.90		
Butter of Antimony, see Antimony Chloride					
Butyl Acetate, tank cars, wks. .... gal	2.00				
Drums c/l wks ..... gal	2.04				
Butalyde, 50 gal drs ..... D	.70 : .75				
Propionate drums ..... D	.35 : .38				

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## Chemicals

<b>CHARCOAL (Cont.)</b>			Cinchonidin Sulfate, 1000s tins. .... : .35			Calcichin alk. USP, 1 oz. vial. .... : .20.07		
Wood, powd., 100 lb bbls. .... D	.04	.05	Resale, 10000s lots ..... : .34	.35		Salicylate, 1 oz. vial. .... : .15.07		
Willow, powd., 100 lb bbls. .... D	.06	.06%	Cinchonine alk. powd. 100 oz tins. .... : .38	.38		Cellulose USP 300 lb drums. .... : .23		
Chestnut, clarified, 25% tins. .... D	.015%	.02	Crystal ..... : .43	.43		600 lb drums ..... : .22		
Bbls. .... D	.02%	.02%	Sulfate 100 oz tins. .... : .35	.35		Flexible, drums ..... : .24	.25	
Powd., 60% 100 lb bags, .... D	.05%	.05%	Citric Acid, see Acid Citric			<b>COPPER metal electrolytic c/l</b>		
Decolorized bags .... D	.06%	.07	Citric Ointment, see Mercury			NY ..... 100 lb	14.37%	14.50
China clay, Dom bulk wks ..... ton	6.00	8.00	Coal Tar, See Tars			Lake c/l NY ..... 100 lb	14.37%	14.50
Washed & Ground, wks ..... ton	11.00	15.00	Cobalt metal, 100 lb kegs. .... D	2.50	3.00	Casting, c/l NY ..... 100 lb		14.00
Imp., Filler Clay ..... ton	15.00	23.00	Cobalt Oxide, 500 lb bbls. .... D		2.10	Carbonate 400 lb bbls. .... D	.16%	.17%
Coating ..... ton	20.00	25.00	10 lb tins, 200 lb cases. .... D		2.20	Chloride, 250 lb bbls. .... D		.28
Cinchonidin, 140 lb dra. .... D		.40	COCAINE alk. USP, 1 oz. vial. .... : 10.57	10.57		Cyanide, 100 lb dra. .... D	.48	.50
Chloral Hydrate, USP 100 lb dra. .... D	.60	.65	Hydrochloride, USP—1 oz. vials, 25 oz. .... : 8.07	8.07		Iodide, 5 lb bot. .... D		5.65
25 lb jars ..... D	.68	.70	In 1/2 oz. vials ..... : 8.50	8.50		Oxide, red 1000 lb bbls. ton lots D	.16%	.17
Chloramine-T, 200 lb bbls. .... D	1.25	1.50	In crystals, granular, powder, or flaky crystals as desired.			Sub-Acetate, verd. 440 lb bbls D	.20	.21
Chloroform, 5 lb bot. .... D	.55	.65	Cocoa Butter, bulk, 300 lb bales			SULFATE crys, 450 lb bbls lc/l		
Chlorhydrin, Ethylene anhyd. 600 lb drums ..... D	.75	.85	c/l ..... : .33	.34		spot ..... 100 lb	4.80	4.90
40% soln. 100 lb cys. .... D	.25	.30	Fingers, cakes, etc., 12 lb bbs. .... D		.37	Carlots bbls spot ..... 100 lb	4.45	4.50
<b>CHLORINE, Liquid 2000 lb cyl.</b>			CODEINE, alk., oz. vials. 10 oz. lots ..... : 9.87			Carlots bbls F O RNY 100 lb	4.45	4.50
c/l wks. .... D		.04%	Hydrobromide, 1 oz. vials, 10 oz. lots ..... : 7.92	7.92		Imp. 550 lb cases spot ..... 100 lb		5.60
Tank car lots, wks. Contract. .... D		.04	Hydrochloride, 1 oz. vials, 10 oz. lots ..... : 7.42	7.42		Powdered, 350 lb 5 bbls 100 lb		11.00
100 lb cyl. c/l ..... D	.05%	.05%	Nitrate, 1 oz. via. 10 oz. lots. .... : 8.87	8.87		Coppers bulk c-l wks ..... ton	11.50	12.00
100 lb cyl. lc/l wks ..... D	.07	.08	Phosphate, 1 oz. vials, 10 oz. lots ..... : 7.42	7.42		200 lb bps c-l wks ..... ton	11.50	12.50
100 lb cyl. lc/l ex-warehouse. .... D	.08	.00	Salicylate, 1 oz. vials, 10 oz. lots ..... : 7.42	7.42		400 lb bbls c-l wks ..... ton	18.00	17.00
Chlorobenzene, mono. 100 lb dra. .... D		.08	Sulfate, 1 oz. via. 10 oz. lots. .... : 7.92	7.92		rowered, bbls ..... 100 lb	1.90	2.00
wks. .... D		.08	Small sizes, 1/4 oz. vials, 50c extra, 1/2 oz. 30c extra, singles 7c extra per oz.—25 oz. lots, 10c on cheaper than above. Less than 10 oz. 15c on higher than above.			Sugar, 400 lb bbls ..... 100 lb	1.25	1.35
Dra. c/l wks. .... D		.07%	<b>CODLIVER OIL, Norwegian, 30 gal bbls ..... 40.00 : 43.00</b>			Corn Syrup, 42 deg. 50 gal. bbls ..... 100 lb		3.66
Tank car lots wks. .... D		.07%				43 deg. 50 gal bbls ..... 100 lb		3.71
<b>CHLORFORM, USP, 50 lb dra. .... D</b>						44 deg. 50 gal bbls ..... 100 lb		3.78
Second Hands, 650 lb dra. .... D	.25	.27				45 deg. 50 gal bbls ..... 100 lb		3.90
Technical, 650 lb drums .... D	.22	.25				Corn Sugar, see Glucose		
Chlorophyll, Oil Sol. .... D	2.50	2.75				Cotton Soluble, 100 lb bbls wet D	.40	.42
Water Sol. .... D	3.75	4.00				Cottonseed, Meal, 7% ..... 33.00	35.00	
<b>Chromium Acetate, 20° soln. 400 lb bbls. .... D</b>						Coumarin, 25 lb tins 100 lb ..... D	3.10	3.25
Fluoride, Powd., 400 lb bbls. .... D	.24	.26				<b>CREAM TARTAR, USP, 300 lb bbls. .... D</b>		
Chrome Greens, CP ..... D	.26%	.35				bbls ..... : .22	.23%	
Comm. .... D	.06%	.11				Imp. powd USP, 224 bbls .... D	.20%	.21%
Chrome Yellow ..... D	.18	.20				Cresote, USP, 42 lb cys. .... D	.40	.42
Chrysarobin Powd., 400 lb bbls. .... D		3.50				Carbonate, 100 lb., 50 lb., .... D	1.70	1.80
Cinchonidin alk., powd 100 oz. tins. .... : .09		.09				Cresote Oil, 50 gal dra. .... D	.13	.15
Crystal ..... : .05		.05				Cresol, USP, 400 lb drums ..... D	No Stocks	



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Catex, Bangalore, 100 lb bales....	D	. . .	. 22	Divi Divi Extract.....	B	.04	: nom	Ethylene Glycol.....	B	.30	& .40
Tables, 120 lb boxes.....	D	.13	.14	Pods bags.....	ton	53.00	: \$4.00	Tri Chloride.....	B	.10	: .10%
Borneo, solid, 100 lb bales.....	D	.03%	.04%	Dover's Powder USP, 5 lb tins.....	D		: 2.50	Ethylbenzamide.....	B	#2	: .65
Liquid, 500 lb bbs.....	D	.08%	.11	Gumucolic Sulfate, 1 cu vial.....	cs		: 30.97	Kalacypal, 35 lb cans.....	ton		: .90
Cyanamide, bulk c/l wks, Amm unit	D	1.90	: 2.05	EARTH, Diatomaceous, see Kieselguhr				FERRIC CHLORIDE.....	crs	20.00	: 35.00
In Amm.....	D	2.00	: 2.30	Egg Yolk, 200 lb cs.....	B	.48	: .50	475 B bbls.....	B	.05	: .08
Cyclotetrasiloxane.....	D			Emulsif alk., 15 gr. vial.....	cs		: 1.30	Imported.....	B	.04%	: .08
Cymene, See Para-Cymene				Hydrochloric, USP, 1 cu vial.....	sw	17.00	: 1.37	C.P. crys. 100 lb bags.....	D		: .10
Dextrin, white corn 140 lb bag.....	D			15 gr. vials.....	cs		: .83	Imported.....	B	.06	: .06%
c-1.....	100B	. . .	. 4.22	Second hands.....	cs		: 16.50	Neut. Sol'n 42° 140 B chys.....	B	.06%:	: .07
bags c-1.....	100B	. . .	. 4.32	EPSON SALT, tech. 300 B bbls.				46°, 140 chys.....	B	.08	: .08%
Canary.....	100B	. . .	. 4.37	NY.....	100B	. . .	. 3.15	USP Sol'n 125 B chys.....	B	.06%:	: .07
bags 1c-1.....	100B	. . .	. 4.32	Bbls. c/l NY.....	100B	. . .	. 3.00	Bromide, dissolved.....	B		: .55
Potato, white, 220 lb bags 1c/1B	D	. . .	. 08%	100 lb c/l NY.....	100B	. . .	. 1.50	Ferrous Bromide, sol'n.....	B		: .55
Yellow 220 lb bags.....	D	. . .	. 08%	Imp 220 B bags. c/l				Chloride, crys tech 475 B bbls D	B	.05	: .06
Tapoca, 200 B bags 1/1 D.....	D	.07%	.08%	NY.....	100B	. . .	. 1.20	Sulfinde, 1000 B bbls.....	100B		: 2.50 : 3.00
DIAMINOPHENOL, 100 B bags.....	D	. . .	. 3.80	USP, 300 B bbls. 10 bbls. 100B			. 2.30	Flash Scrap, dried was.....	unit	4.50	& .10
Diamyl Phthalate drms wks.....	gal	4.00	: 4.10	Carbons, bulk.....	100B	. . .	. 2.00	Acid Bulk 7 & 3 1/4, Deliv.			
unsaidine, 100 B bags.....	D	.45	: 3.60	Imported, 400 B bbls.....	100B	. . .	. 1.35	Norfolk & Balt basls.....	unit	4.00	& .50
Dibutyl Phthalate, wks.....	B	.32	: .38	100 lb bags.....	100 B	. . .	. 2.00	Pink-White, see lead white			
Dibutyl Tartrate, 50 gal drums.....	B	.55	: .65	Ergotin, Bonjean, 1 lb jars.....	B	.00	: 6.32	Flavine Lemon 55 B chys.....	B	.90	: .95
Dichlorobenzene, 1600 B drums.....	B	.04	: .07	Lecithine alk., 1 cu vial.....	cs		: 30.67	Orange 70 B cs.....	B	.85	: .90
Dichloromethane, Drums wks.....	B			Salicylate, USP, 1 cu vial.....	oz	24.00	: 24.50	Fluorpar, 95% 320 B bags, ex-			
Diethylamine, 400 B drs.....	B	.25	: .35	Sulfate, USP, 1 cu vial.....	oz	18.00	: 18.50	dock.....	ton		: 25.00
Diethylamine, 850 B drs.....	B	.55	: .60	ETHER, USP, 55 B drums.....	B	. . .	. 19	96% bgs.....	ton		: 33.50
Diethyl Carbonate, drums.....	gal	1.85	: 2.00	Anesthetize, 55 B drums.....	B	. . .	. 16	98%.....	ton		: 35.00
Diethyl Phthalate, 25 lb cans.....	B	.35	: .40	USP, 1880 55 B drums.....	B	. . .	. 45	FORMALDEHYDE, USP 400 B bbls.			
1000 drs.....	B	.30	: .35	Washed, 55 B drums.....	B	. . .	. 37	c/l wks.....	B	.08%	: .09
Diethyl Sulfate tech. 50 gal drs.....	B	.30	: .35	Motor 1 lb bottles.....	B	.30	: .32	Carbons, 100 B l/c/ wks.....	B		: .10%
CF drums.....	B	.40	: .50	Ether, Nitrosum, 1 lb bot.....	B	.90	: .95	Bbls, 400 B l/w wks.....	B	.09	: .09%
Digitalin, Pure, 1 cu. vial.....	cs	9.75	: 10.25	Ethyl Acetate, 99% 50 gal drs gal			: 1.05	Formaldehyde Aniline 100 B drms B		.40	: .42%
high test.....	cs	15.00	: 15.50	85% Ester, 100 gal drs.....	gal	. . .	. 90	Fossil Flour.....	B	.92%	: .04
Dimethylamine, 840 B drs wks.....	B	.32	: .34	Carlots, drums.....	gal	. . .	. 87	Formaldline.....	B	.38	: .40
Dimethylamine, 400 B drs.....	B	.30	: .35	Refined, drums.....	gal	1.73	: 1.85	Fuller's Earth, 300 B bags. c/l			
Dimethylsulfoxide, 100 B drs.....	B		.50	Aceto Acetate drms wks.....	B	. . .	. 1.25	mines.....	ton	15.00	: 17.00
Dinitrobenzene, 400 B bbls.....	B	.14%	: .15%	Benzil Aniline, 300 B drs.....	B	1.05	: 1.10	Imported, 230 B bags, NY.....	ton	35.00	: 40.00
Dinitrochlorobenzene, 400 B bbls.....	B	.15	: .16	B							

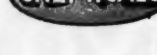
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# Chemicals

Cambric 25% liq. 450 lb bbls .. D	.12	.14	HEMATINE, Paste, 500 lb bbls .. D	.09	.12	Iodine Tinct USP, 50 gal bbls .. gal	4.85
Common, 200 lb cases .. D	.19 1/2	.20	Crystals, 400 lb bbls .. D	.12	.20	Carbonyl .. gal	4.90
Singapore cubes, 150 lb bags .. D	..	.23	Hemlock, 25% 600 lb bbls via D	.03 1/2	.05 1/2	Second Hands .. gal	4.75
Gold Label, 100 cases .. D	.60	1.00	Hexachloroethane Drums wks .. D	..	30.00	Iodoform, powd., 10 lb bot .. D	6.00
Technical, 100 lb cs .. D	.45	.50	Hexalene, 50 gal drs, via .. gal	..	.45	Crystals, 10 lb bot .. D	6.05
Pure Food, 50 lb bbls .. D	.55	.60	Hexamethylenetetramine, USP	..	4.75	Iridium, metal 10 oz lots .. oz	260.00
Shasta .. D	.53	.55	100 lb drums .. D	.60	.62	Iron, metal by hydrogen 1 lb bot D	..
CLAUBER'S SALT, tech. 200 lb bags	..	..	Imported .. D	..	.63	IRON & AMM. CITRATE, USP 50 lb	..
e/l wks, .. 100 lb	1.10	1.20	Rubber Makem, Impalp. Pd.	..	..	..	.69
le/l wks, .. 100 lb	1.35	1.45	.. drs .. D	.80	.82 1/2	Green scales, 500 lbs .. D	.69
350 lb bbls, e/l wks, .. 100 lb	1.25	1.35	Homatropine Hydrobrom. USP 1 oz	..	14.50	Bromide .. D	1.10
10 lb le/l wks, .. 100 lb	1.50	1.60	vials .. oz	..	13.50	Cacodylate, 100 lb bot .. D	7.50
Imported, bags, NY .. D	.85	.90	Five ozs., 1 oz vials .. oz	..	19.50	Citrate, USP VIII 25 lb cans D	.94
USP, 300 lb bbls. Imp. sp. 100 lb	..	1.25	Hydrastine, Alk, USP, 1 oz vial oz	..	19.50	Chloride, see Ferric or Ferrous	..
USP, 300 lb bbls. dom. sp. 100 lb	..	1.75	Hydralide, USP, 1 oz vial .. oz	..	16.00	Hypophosphite, 5 lb cans .. D	1.55
USP, 300 lb bbls. e/l via 100 lb	..	1.40	Second Hands .. oz	..	21.50	Syrup USP 5 lb, bot .. D	.35
Calcined, see Sodium Sulfate	..	..	Sulfate 1 oz vial .. oz	..	14.57	Iodide, 1 lb bot .. D	.35
Glucose, (Grape Sugar) dry, 100	..	..	Hydrastinine Hydralide, USP 15 gr.	..	..	Syrup, USP, 5 lb bot .. D	.09
70° bags, c-1 NY .. D	3.49	3.84	vials .. oz	..	..	Com'l, bbls .. 100 lb	2.50
Tanners' Special, 100 lb bags 100 lb	..	3.49	Hydrobenzene 100 lb kegs .. D	..	..	Oxalate scales, 25 lb cans .. D	.88
SAFE, pure white, cols .. D	.23	.26	HYDROGEN PEROXIDE, 25 vol. 400 lb	..	.07 1/2	Oxide, red, Spanish .. D	.02 1/2
Medium white, bbls .. D	.30	.34	bbls .. D	.07	.07 1/2	English .. D	.10
French, bbls .. D	.18	.23	100 vol. 140 lb clys .. D	.34	.37	Perchloride, see Ferric Chloride	..
High Grade, bbls .. D	.35	.40	USP Soln. 375 lb bbls .. D	.04	.05	& Ammon, Oxalate, 25 lb bxs D	.37
Bone, regular, bbls .. D	.19	.19	100 vol 145 clys .. D	..	.46	& Potassium Oxalate, 250 lb	..
Fish, bbls .. gal	1.50	1.77	USP bot. 4 oz cases .. gross	7.75	8.00	bbls .. D	.40
Hide bbls .. D	.14	.24	Bot. 8 oz cases .. gross	11.10	12.00	& Sodium Oxalate, 24 lb bxs .. D	.32
GLYCERIN, C. P., 550 lb drums .. D	.19	.19 1/2	Bot. 16 oz cases .. gross	18.25	19.00	Phosphate, USP, 50 lb .. D	.69
Cana. 50 D	.30	.37	Hydroquinone, 100 lb kegs .. D	1.40	1.50	Phosphoric, USP, 50 lb .. D	.74
Dynamite 100 lb dr .. D	..	.18 1/2	Hyocine Hydrobrom, USP 1 oz.	..	13.57	JALAP RESIN, lump, 5 lb tins .. D	4.00
Saponification tanks .. D	.13 1/2	.14	vial .. oz	..	13.57	Powd. tins .. D	4.65
Soap, Lye tanks .. D	..	.12 1/2	Five oz., 1 oz vial .. oz	.13.07	13.57	KIESELGUHR, 95 lb bags NY .. ton	60.00
On Powder, see chrysarobin	..	..	Hyocyanine Alk Cryst, 1 oz vial oz	..	25.07	LANOLIN, see Adeps Lanae	..
Graphite, crude, 220 lb bags .. ton	15.00	35.00	Alkaloid, Amorphous, 1 oz. vial oz	..	25.07	Larch, 25%, 600 lb bbls wks .. D	.03 1/2
Flake, 500 lb bbls .. D	.05	.09	Hydrobromide, USP, 1 oz. vial oz	..	25.07	Powd., 100 lb bags, wks .. D	.08
Ground up bbls .. D	.04	.07	Sulfate, 1 oz vial .. oz	..	12	LEAD, metal c/l NY .. D	.09 1/2
Gualacol Liquid USP, 25 lb .. cans	2.00	2.25	Hyperic, 51°, 600 lb bbls .. D	.08 1/2	.07	Acetate, white crystals, 500 lb	..
Crystals, .. D	4.00	4.25	Hyperic, chips .. D	..	4.21	bbls, wks, .. D	.14 1/2
Benzoate, 1 lb bot .. D	..	18 1/2	IODINE, crude, 200 lb kegs .. D	4.21	4.23	100 to 250 lb kegs, wks .. D	15 1/2
Carbonate, 5 lb boxes .. D	2.50	2.75	Iodides, see Potass Iodide, etc.	..	1.28	White, broken, bbls, wks, 100 lb	15.00
Second Hands .. D	2.15	2.35	Indigo, Macras, bbls .. D	..	14	White, gran bbls, wks, 100 lb	15.50
HAARLEM OIL, Dom. 6 gr cs gr	3.10	3.25	20% paste drums .. D	4.20	4.25	White, powd. bbls wks 100 lb	15.25
Imported 5 gr cases .. gross	..	3.65	IODINE, crude 200 lb kegs .. D	4.65	4.70	Brown, broken bbls wks .. D	.13 1/2
Halasone 5 lb bot .. D	2.75	3.25	Resublimed, 10 lb jars .. D	..	..	..	..

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## Chemicals

<b>LEAD ACETATE (Cont.)</b>			<b>LITHOPONE (Continued)</b>			<b>MANGANESE DIOXIDE (Cont.)</b>		
USP, 100 lb bags.....D	.19	.19%	Imported, 400 lb bbls.....D	.05%	.06	Hydrated, precip. 100 lb kgs. D	.15	.33
Arsenate, 100 lb bags.....D	.13	.14	Litmas Cabos.....D	.99	1.00	Glycerophosphate, 5 lb tins...D	2.90	3.00
Bols, c/l wks.....D	.12%	.13	Second hands.....D	...	.75	Hypophos USP VIII 5 lb vials D	1.35	1.40
Bols, 1c/l wks.....D	.13	.13%	Logwood, 51", 600 lb bbls...D	.05%	.08%	Iodide, 1 lb bot.....D	.45	.65
Pasta, 100 & 600 lb bbls...D	.08	.09	Lower grades.....D	.07	.08	Ore, bulk, NY.....D	.45	.44
Iodide, USP VIII 5 lb bot...D	2.30	2.40	Solid, 50 lb boxes.....D	.12	.15	Sulfate, 600 lb casks, NY.....D	.07	.07%
Nitrate, 600 lb bbls. wks...D	...	.12	LOGWOOD, sticks.....ton	23.00	27.00	Mangrove, 55% 400 lb bbls...D	.04%	.06
Oxide, Litharge, 500 lb bbls...D	...	.11%	Chips, 150 lb bags.....D	.03	.03%	Mangrove bark, African.....ton	...	nom.
100 kgs. wks.....D	.14%	.15%	Laminal, see Phenylethylmalonylurea	...	...	Shipment.....ton	...	nom.
Oxide, red, 500 lb bbls, wks...D	...	.12%	Madder, Dutch.....D	.27	.35	Marble Flour, bulk.....ton	10.00	12.00
100 lb kgs. wks.....D	.12%	.13%	MAGNESITE calcined, 500 bbls...ton	14.25	17.50	See also Calcium Carbonate	...	...
recycled, 100 lb dca.....D	.35	.30	Magnesium, mtl. sticks 100 lb as f.o.b.	...	.85	MENTHOL, USP, 60 lb cases...D	...	10.25
White, basic carb. 500 lb bbls	...	...	wks.....D	...	1.50	Less case, 5 lb tins.....D	...	10.50
100 lb kgs wks.....D	.14%	.15%	Bromate.....D	...	.08%	Synthetic.....D	...	8.00
White sulfate 500 lb bbls. wks D	...	.10	Carb tech 70 lb bags NY.....D	.08%	.06%	MERCURY, metal 75 lb flasks flask	80.50	81.00
Licorice Ext. Mass cases.....D	.31	.33	75 lb bbls NY.....D	.08	.08%	Less Flasks, 5 lb jugs.....D	...	1.30
Compound powder, bbls.....D	.11	.13	USP, 100 lb bbls.....D	.09%	.12	Bichloride, cryst. 25 lb bns...D	...	1.30
Powdered.....D	.35	.30	USP, blocks 100 lb ea. 1, 2, 4	...	.17	Gran. powd. 200 lb bags...D	...	1.10
Sticks, 1 ea 100 lb cases...D	.30	.35	Chloride, fused 575 lb dca. c/l	...	34.00	Bisulfate, 25 lb boxes.....D	...	1.08
<b>LIME, (Waste, see Calcium Salts)</b>			Flaked, 350 lb dca. wks c/l ton	...	36.00	Blue Mass, 25 lb boxes.....D	...	.71
Ground Stone, bags.....ton	4.50	...	Imp. Flake Shipt.....ton	80.50	81.00	Powdered, 25 lb boxes.....D	...	.73
Live, Bulk.....ton	8.50	...	Imp. fused 900 lb bbls NY ton	38.00	39.00	Blue Ointment, USP, 25 lb cans	...	.94
Live, 325 lb bbls. ton lots	...	1.05	Fluocilicite, crystals 400 lb bbls.	...	.13	50%.....D	...	.71
wks. 100.....D	...	1.08	wks.....D	.12	.15	USP, dilute 25 lb cans 30% D	...	.86
Single bbl., wks.....100 lb	...	.85	30% soln. 500 lb bbls. wks. D	.07	.07%	33 1/3% Mercury.....D	...	1.37
Hydrated, 167 lb bbl. ton lots,	...	.91	Soln. bbls, c/l wks.....D	...	.06	Calomel, 50 lb bns.....D	...	.51
wks.....100 lb	...	.08%	Glycerophosphate, 5 lb tins...D	3.20	3.35	Citricine Ointment 25 lb jars...D	...	4.10
Single bbl. wks.....D	...	.08%	Hypophosphite, 5 lb cans.....D	...	.43	Iodide, green 25 lb jars.....D	...	4.30
Oyster Shell, 150 lb bbl sing. D	...	.08	Oxide, USP light, 100 lb bbls...D	...	.50	Red, USP, 25 lb jars.....D	...	4.10
Sulfur, dry 200 lb dca NY D	...	.16	USP, heavy, 250 lb bbls...D	...	2.40	Yellow, USP, VIII 35 lb jars...D	...	2.04
Dca. c/l NY.....D	...	6.25	Peroxide, 5 lb cans.....D	...	2.63	Oxide, Yellow, USP, 25 lb bns. D	...	1.43
33" Soln. 50 gal bbls NY gal	...	6.75	Perborate, 1 lb tins.....D	...	.75	Tech.....D	...	1.48
Unalcol, 5 lb bot.....D	1.45	1.50	Sulfate see Epson Salts	...	.34	Red Precip. USP, 25 lb bns...D	...	1.53
Litharge see lead oxide	1.80	1.90	Manganese Borate, 30%,	...	.35	Powder, USP, 25 lb bns...D	...	1.59
Lithium Carb. USP, 100 lb kgs...D	1.70	1.75	200 lb bbls.....D	...	.06	White Precip. USP, 25 lb bns...D	...	.77
Bromide, 100 lb ca.....D	...	.05%	100 lb kgs.....D	...	.05%	Powdered, USP, 25 lb bns...D	...	1.90
Citrate, USP, 100 lb kgs.....D	...	.05%	Chloride, 600 lb cans.....ton	80.00	85.00	With chalk, USP, 25 lb bns...D	...	1.90
Iodide 5 lb bot.....D	...	.05%	Dioxide, 80-84% 900 lb bbls	85.00	90.00	Meta-Nitro-para-Toluidine, 500 lb	...	2.00
Lithopone, 400 lb bbls, 1c/l wks. D	...	.05%	NY.....ton	...	...	bbls.....D	...	...
Bols, c/l wks.....D	...	.05%	85-90%, 900 lb bbls. NY ton	...	...	...	...	...
Bags, c/l wks.....D	...	.05%	...	...	...	...	...	...

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bbls .....	lb	.55 : .90
<b>Meta-Toluylenediamine, 300 lb</b>		
bbls .....	lb	.73 : .77
<b>METHANOL (Wood Alcohol)</b>		
95% tanks .....	gal	.55
Drums, c/1 .....	gal	.57
Drums, lc/1 .....	gal	.62
97% tanks .....	gal	.57
Drums, c/1 .....	gal	.59
Drums, lc/1 .....	gal	.64
Pure, Acetate free, tin .....	lb	.85
Drums, c/1 .....	gal	.87
Drums, lc/1 .....	gal	.90
Bbls, incl. 6c higher .....		
U.S. denat. grd. tanks .....	gal	.57
Drums c/1 .....	gal	.59
Drums lc/1 .....	gal	.64
<b>Methyl Acetone, 100 gal drums</b>		
Tanks, cars .....	gal	.83 : .85
Chloride, 90 lb cpl. ....	gal	.50 : .55
Sulleyate, USP, 50 lb cans ..	lb	.43
500 lb drums .....	lb	.41
<b>Methylene Blue, tech. 100 lb kgs</b>		
USP, medicinal 5 lb cans ..	lb	1.50 : 1.50
2.10 : 2.25		
<b>Miehler's Ketone, 325 lb bbls</b>		
3.00 : 3.35		
Milk, powd. 150 lb bbls ..	lb	.74 : .75
Milk Sugar, see sugar of milk		
Mineral Oil, see oil mineral		
Mineral Sulfate .....	ton	\$5.00 : \$5.00
Mining Salts Drums wia .....	lb	.33
Monobromobenzene See Bromobenzene		
Monocline, See Acetone		
Monochlorobenzene, see chlorobenzene		
Monochloroaniline, 900 lb drs ..	lb	1.05
Monomethyl paramitophenol sulfate		
100 lb drs .....	lb	3.95 : 4.30
<b>MORPHINE ALK., USP 5 oz tins</b>		
9.20 : 9.30		
Sulfate USP 5 oz tins 10 oz ..	oz	1.35

<b>MORPHINE (Cont.)</b>		
Acetate, 5oz tins 10oz lots ..	oz	1.35
Myrobromos, 5 oz. tins 10 oz	oz	1.35
Hydride, 5 oz. tins 10 oz ..	oz	1.35
Subl Hydride, 1/4 oz via 10 ..	oz	1.35
Small Sizes: 1/4 oz vials, 50c extra		
1/4 25c extra; single oz. via. 7c ex-		
tra, over price for 5 oz. tins. 25 oz		
lots in 5 oz. tins, 10c on. lower than		
above schedule. Less than 10 oz. lots		
15c on. higher than above schedule.		
Musk Ambrette, 1 lb cans .....	lb	10.50 : 11.75
Myrobalsam, 25% liquid bbls ..	lb	.04 : .04%
50% solid, 50 lb boxes .....	lb	.08 : .08%
Myrobalsam, bags J1 .....	ton	55.00 : 58.00
R2 .....	ton	nom
J5 .....	ton	49.00 : 51.00
<b>NAPHTHA, See Solvent Naphtha</b>		
<b>NAPHTHALENE, Flake, 175 lb bbls</b>		
via .....	lb	.05 : .06%
Bbls, c/1 via .....	lb	.04% : .05
Bbls, second hands NY; ..	lb	.04% : .04%
Balls, 250 lb bbls via .....	lb	.06 : .06%
Bbls, c/1 via .....	lb	.05% : .06
Bbls, second hands NY .....	lb	.05% : .06
Crushed, shipped, bags. via ..	lb	.08
Crude, imp. bags .....	lb	.01% : .02
<b>NICKEL</b>		
Ingot, 100 lb kegs .....	lb	.34
Chloride, bbls, kegs .....	lb	.21 : .24
Oxide 100 lb kegs, NY .....	lb	.38 : .40
Salt single 400 lb bbls NY ..	lb	.08 : .08 1/2
Double 400 lb bbls, NY .....	lb	.08 1/2 : .09
Sulfate, See Nickel Salt, single		
Nickel Metal, electrolytic, 100 lb	lb	\$1.00 : \$2.00
Nicotine, Free 40% 8 lb tins cnd	lb	1.10 : 1.20
Sulfate, 10 lb tins, 40% .....	lb	1.10 : 1.35
<b>NITRATE SODA, spot, See Sodium Nitrate</b>		
Nitro Cake, bulk via .....	ton	4.50 : 5.50
500 lb bbls .....	ton	13.00 : 14.00

<b>Nitrobenzene, crude, 1000 lb drs</b>		
via .....	lb	.09% : .10
Redistilled, 1000 lb drs wks ..	lb	.10 : .11
Nitrogenous Material .....	unit	3.75 : 3.80
Nitronaphthalene, 550 lb bbls ..	lb	.30 : .31
Nitrotoluene, mixed 1000 lb drs	lb	.14 : .15
<b>Putgalls, see Crude Drugs</b>		
Oak bark, whole .....	ton	30.00 : 33.00
Ground .....	ton	45.00 : 50.00
Oak, tanks, via .....	lb	.03%
23-25% liq. 600 lb bbls via ..	lb	.04% : .04%
Solid, powd .....	lb	.07% : .08
Ochre .....	lb	.03% : .03%
<b>Oil Fuel see Fuel Oil</b>		
<b>Oil MINERAL, wh, 50 gal bbls gal</b>		
.80 : 1.05		
<b>Rumian .....</b>		
1.05 : 1.30		
<b>Oil Mirbane, see Nitrobenzene</b>		
<b>Optum, see crude drugs</b>		
Orange Mineral, 1100 lb casks NY	lb	.14%
700 lb bbls NY .....	lb	.14%
Ortho-Aminophenol, 50 lb kegs ..	lb	2.15 : 2.25
Ortho-Anisidine, 100 lb drs .....	lb	2.75 : 3.00
Ortho-Dichlorobenzene, see Dichlorobenzene		
Ortho-Nitrochlorobenzene, 1300 lb	lb	.32 : .35
dr. via .....	lb	.90 : .95
Ortho-Nitrophenol, 350 lb .....	lb	.20 : .25
Ortho-Nitrotoluene, 1000 lb drs	lb	.07 : .07%
via .....	lb	.14% : .15
Ortho-Toluidine 350 lb bbls ..	lb	.16 : .17
Osage Orange, 51° liquid .....	lb	1.75 : 2.50
Powd., 100 lb bags .....	lb	2.00 : 2.50
Crude, 5 lb bot .....	lb	1.00 : 1.35
<b>PALLADIUM, metal 10 oz. lots ..</b>		
80.00 : 81.00		
Pancreatin, USP, 5 lb bot .....	lb	2.25 : 2.50
Papain, 10 lb bot. USP, Powd. ..	lb	2.75 : 3.25
Crude, 150 lb cases .....	lb	2.30 : 2.40
Paraffin, 200 lb c. slabs		
113-120 Dek M. P. ....	lb	.08 : .09
123-127 Deg. M. P. ....	lb	.06% : .06%

SILVER LABEL  
GELATINEPure Food and  
TechnicalCOIGNET CHEMICAL  
PRODUCTS CO., Inc.

17 State Street, New York City

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MANUFACTURING CHEMISTS

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Pure Refined

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Slabs—Small Cuts—Powdered

GIRARD

BRIDGEPORT, CONNECTICUT

Two reagents for the—

## Determination of Copper

a-Benzoinoxime will precipitate copper quantitatively from solutions containing but 0.1 mg. Cu. The compound formed contains 22.02% Cu and is washed after filtration, dried and weighed.

Phenylthiohydantoic acid separates Cu and Co from all metals not precipitated by H<sub>2</sub>S. Cu is determined by ignition, solution and electrolysis or by some other method.

Both are Eastman Organic Chemicals of defined purity. There are many others among the 2000 Eastman Organic Chemicals which will save your time and money.

Write for List No. 14

America's Handbook of Organic Chemicals

Eastman Kodak Company

Research Laboratories

Rochester, N. Y.

## Chemicals

## PARAFFIN (Cont.)

132-132 Deg. M. P. ....	D	.07%	.07%
132-137 Deg. M. P. ....	D	.08%	.08%
138-140 Deg. M. P. ....	D	.08%	.10
Para-Aminostyrene, 100 lb. ....	D	1.00	1.05
Para-Aminostyrene, 100 lb. ....	D	1.10	1.15
Hydrochloride, 100 lb. ....	D	1.35	1.30
Para-Dichlorostyrene, 100 lb. ....	D	.17	.20
35-50 lb. ....	D	.18	.23
Paraldehyde, USP, 100 gal. ....	gal	...	.45
Tech. ....	D	...	.50
Para-Cymene, Refd., 110 gal. ....	gal	2.35	2.50
Paraformaldehyde, USP, 100 lb. ....	cs	.30	.42
Para-Nitrobenzylidene, 300 lb. ....	D	.50	.55
Para-Nitroaniline, 300 lb. ....	lbs	.57	.58%
Para-Nitrochlorobenzene, 1200 lb. ....	dra	.30	.30
Para-Nitro-ortho-Toluidine, 300 lb. ....	D	2.75	2.85
Para-Nitrophenol, 135 lb. ....	D	.50	.55
Para-Nitrodichlorobenzene, 130 lb. ....	D	.93	.94
Para-Nitrobenzene, 350 lb. ....	D	.35	.37
Para-oxo Benzaldehyde, 100 lb. ....	D	...	1.70
Para-Phenol, 500 lb. ....	D	1.55	1.50
Para-Phenylhydrazine, 350 lb. ....	D	1.30	1.35
Para-Toluene-Sulfonamide, 175 lb. ....	D	.40	.41
Para-Toluene-Sulfonchloride, 410 lb. ....	D	.10	.30
Para-Toluidine, 350 lb. ....	lbs	.65	.60
PARIS GREEN			
Acetate Base, 500 lb. ....	D	.19	.20
Exp., 100 lb. ....	D	.21	.22
130, 20, 25, 14 lb. ....	D	.23	.23

## PARIS GREEN (Cont.)

Packages, 5 and 1 lb. ....	D	.23	.24
Packages, 1 lb., 1/2 lb., 1/4 lb. ....	D	.25	.26
Paris White, see whitening, French			
Pepin, USP, 5 lb. ....	D	2.50	2.75
1:6000 bottles ....	D	5.00	5.25
1:10,000 bottles ....	D	8.55	8.80
Petroleum, 5 lb. ....	D	1.70	1.80
PETROLATUM, green 300 lb. ....	D	.02%	.03
Dark Amber, 300 lb. ....	D	...	.04%
Light Amber, 300 lb. ....	D	...	.04%
Cream White, USP, 300 lb. ....	D	.07	.07%
Snow White USP, 300 lb. ....	D	...	.12%
Lily White, USP, 300 lb. ....	D	...	.07%
Phenol, see also acid carbolic			
Makers 950 lb. drums spot ....	D	.21	.22
Small drums, 240-100 lb. ....	D	.22	.21
Open market drums ....	D	...	.21
240 lb. des. dra. ....	D	...	.23
Natural, 240 lb. des. dra. ....	D	...	...
Phenolphthalein, USP, 100 lb. ....	D	1.30	1.40
5 lb. cans, 100 lb. ....	D	1.40	1.50
Phenyl-Alpha-Naphthylamine, 100 lb. ....	D	1.25	1.30
Phenylethylmalonolurea, ca. ph. ....	cs	...	5.80
Phosgene, 100 lb. cylinders ....	D	...	...
Phosphate Acid, 10% bulk ....	...	.60	.65
Phosphate Rock, f.o.b. mine			
Florida Pebble 68% ....	ton	2.65	2.75
Florida Pebble 70% ....	ton	3.00	3.10
Florida 72% ....	ton	3.50	3.65
Florida Pebble, 75-74% ....	ton	4.00	4.25
Tennessee, 72% ....	ton	...	5.60
Phosphorus Oxide, 175 lb. ....	gal	.35	.40
Phosphorus, red 110 lb. ....	cs	.68	.70
Yellow, 110 lb. ....	cs	...	.32
Imported, 110 lb. ....	cs	.35	.37%
Phosphorus Trichloride, 175 lb. ....	gal	...	.45

Phthalic Anhydride, 100 lb. ....	D	.18	.20
Phthalic Anhydride, 100 lb. ....	D	...	...
PILSCARPINE HYDROCHLORIDE, USP 25 ....	ca	4.00	4.50
lots, 1 ca. ....	ca	...	...
Nitrate, 25 ca. ....	ca	...	4.00
Single, ca. ....	ca	...	4.50
Alkaloid, 15 gr. ....	vis	...	.35
Pine Oil, ste. dist. ....	gal	...	.60
Deconstructive dist. ....	D	.60	.64
Piperazine Hydrate, 1 lb. ....	D	...	15.00
Piperidine, 25 ca. ....	ca	1.10	1.30
Pitch, Coal-Tar, vis. ....	ton	24.00	26.00
Pitch, prime ....	ton	6.00	6.50
Plaster Paris, tech. ....	ton	...	3.30
True Dental, 300 lb. ....	ton	...	4.50
Platinum, metal soft 10 on lots. ....	ton	...	120.00
Potash, 5 lb. ....	ton	4.50	4.75
Second Hand ....	ton	4.20	4.50
POTASH SALTS, rough			
Pot. Marlate base 80% ....	ton	...	34.00
Pot. Sulfate, base, 80% ....	ton	...	45.55
Pot. & Mag. Sulfate, base 45% ....	ton	...	38.25
Manure Salts base 30% ....	ton	...	18.00
Manure Salts, base 20% ....	ton	...	11.35
Kalnit, base 12.4% ....	ton	...	8.50
Bulk in bags, 22.00 extra.			
Prices c.i.f. Atlantic & Gulf Ports.			
Dissolve, 50 tons. 5%; 500 tons 10%.			
POTASH, CAUSTIC, solid 85-92% ....	D	.07%	.07%
700 lb. ....	D	...	...
Imp. 85-92% 700 lb. ....	NYD	.07%	.07%
USP, by alcohol 5 lb. ....	ca	.40	.45
cases ....	D	.30	.35
POTASSIUM Acetate, USP, 100 lb. ....	D	.20	.20
Second Hand, 100 lb. ....	D	.20	.25
Monoborate, cry. ....	ton	.09	.10
Dichromate, cry. ....	ton	.08%	.08%
Powd., 900 lb. ....	ca	.11	.12
Monoborate, 300 lb. ....	D	.18	.18
Import, 112 lb. ....	D	.18	.19



## MONSANTO SALICYLATES

The Standard

MONSANTO SALICYLATES are the standard among discriminating buyers because of their constant uniformity and purity.

Inquiries are invited regarding:

Acetyl Salicylate Acid	Calcium Salicylate	Magnesium Salicylate
(Aspirin)	Sodium Salicylate	Strontium Salicylate
Salol	Ammonium Salicylate	Potassium Salicylate
Salicylic Acid		

Manufactured by Monsanto Chemical Works

St. Louis, USA

New York

Chicago



**POTASSIUM (Cont.)**

### POTASSIUM (Cont.)

**QUININE SULFATE, USP.**

Java, 100 oz. tins	.08	..	\$ .90
Javanese, 100 oz. tins	.06	..	.. \$ .50
<b>Rumale</b>	.08	..	.. \$ .75
Acetate	.08	..	.. \$ .88
Arsenate	.08	..	.. \$ .89
Benzonate	.06	..	.. \$ .83
Bismutate, USP	.08	..	.. \$ .45
Bomble	.03	.37	.. \$ .41
Citrate	.06	..	.. \$ .82
Dihydrochloride, USP	.08	..	.. \$ .66
Dibromide	.08	..	.. \$ .66
Dicarbonate, 13 oz. tins	.08	..	.. \$ 2.50
Ethyl Carbonate, 16 oz. tins	.08	..	.. \$ .70
Ferrocyanide	.08	..	.. \$ .38
<b>Fornate</b>	.08	..	.. \$ .55
Glycerophosphate	.08	..	.. \$ .88
<b>Hydride</b>	.08	..	.. \$ .85
Hydroborate, USP	.08	..	.. \$ .63
Hydrochloride, USP	.08	..	.. \$ .62
Hypobromite	.08	..	.. \$ .66
Hydchlide & Urea, USP	.08	..	.. \$ .88
Hypophosphite	.08	..	.. \$ .88
Lactate	.08	..	.. \$ .70
Phenolsulfonate	.08	..	.. \$ .88
Phosphate	.08	..	.. \$ .74
Sulfolate, USP	.08	..	.. \$ .85
Tannate, USP	.08	..	.. \$ .48
Tartrate	.08	..	.. \$ .88
Valerate	.08	..	.. \$ .89
<b>Small Sizes:</b> 1oz vials or cans,			
50oz. lots, 5c on extra; 5cm. cans,			
50oz. lots 3c on extra; 5cm. cans,			
50oz. lots, 2c on extra; single 1oz.			
vials or cans, 5c extra. All minor			
quantities sold solid and quoted basis			
100oz lots in 100oz cans. Sulfate			
and bisulfate sold basis 100oz.			
lots in 100 oz cans. Smaller orders			
or containers extra as above			
<b>schedule.</b>			

**SELDEN** Brand **PHTHALIC**  
99.99+%  
Pure **ANHYDRIDE**

**DI-ETHYL PHTHALATE.** The successful manufacture of di-ethyl phthalate of the highest quality is based on the constant supply of high grade raw materials of a uniform purity. Selden Brand phthalic anhydride, used continuously by the largest producers, has proved its superiority over other brands.

**THE SELDEN COMPANY**  
Pittsburgh, Pa., U.S.A.

## Chemicals

Quinone, 100 lb kegs .....	D	1.75	: 2.25
Red Lead, see lead oxide			
Red Precipitate, see mercury			
Resorcin, N.F., 5 lbs. (1:25,000) D		2.95	: 3.50
Resorcinol, see resorcinol			
Resorcinol, tech., 100 lb kegs ..	D	1.30	: 1.55
USP, 25 lb cans .....	D	2.25	: 2.35
Rochelle Salt, USP, 225 lb bbls D		.20	: .30%
Imp. USP, 300 lb bbls .....	D	.19	: .19%
Rosinwater, triple, 5 gal. demis. gal		.85	: .90
Soda, (Sold in 600 lb bbls, gross for net.)			
D .....	D	280 lb	16.02% : 16.30
E .....	D	280 lb	16.07% : 16.30
F .....	D	280 lb	16.12% : 16.30
G .....	D	280 lb	16.12% : 16.30
H .....	D	280 lb	16.12% : 16.30
I .....	D	280 lb	16.12% : 16.30
K .....	D	280 lb	16.12% : 16.30
M .....	D	280 lb	16.12% : 16.30
N .....	D	280 lb	16.12% : 16.30
WG .....	D	280 lb	16.12% : 16.30
WW .....	D	280 lb	16.12% : 16.30
(Sold in 600 lb bbls net, quotations based on a unit of 280 lb)			
Roilin Oil first run 50 gal bbls gal		.78	: .80
Second run, bbl .....		.83	: .85
Roten Stone lump imp bbls ..	D	.07	: .08
Lump selected, bbls .....	D	.09	: .12
Powdered bbls .....	D	.02	: .05
Domestic, bags mines .....		24.00	: 30.00
SACCHARIN, USP, 16 lb cans, 25 lb			
D .....	D	1.75	: 1.85
Solubis, USP, 10 lb cans, 25 lb D		1.75	: 1.85
Sago, Flour, 100 lb bags .....	D		: .05
Sol Ammonia, see Ammon. Chloride			
Sol Soda, see Sodium Carbonate			
Sulfinic, USP, 1 lb cartons, 25 lb D		5.00	: 5.35
Sulfol, USP, 100 lb drums .....	D	.80	: .90
Sulf. Common, see sodium chloride			
Sulf Cate, c/l f, o, b, wix .....	ton	17.00	: 20.00

SALT PETRE, Double Refined			
Granular 400-500 lb bbls			
c/l wix .....	D	.06%	: .06%
Less c/l wix, bbls ..	D	.06%	: .06%
Large Crystals, 350-400 lb bbls			
c/l wix .....	D	.07%	: .07%
Triple refined, Granular, 350 lb			
bbls l/c/l .....	D	.06%	: .06%
Powdered, bbls c/l wix ..	D	.07%	: .07%
Imported, 500 lb bbls NY ..	D	.06%	: .06%
Santonin, USP, 1 lb bot. ....	D	155.00	: 160.00
Powd. 1 lb bot. ....	D	158.00	: 162.00
Saponin, refined, 5 lb tins ..	D	1.25	: 1.50
Crude .....	D	1.00	: 1.25
Satin White, 500 lb bbls ..	D		: .01%
Scopolamine, see hyoscin			
Selidits Mixture, 225 lb bbls ..	D	.16%	: .16%
SILICA			
Crude, bulk, mines .....	ton	6.00	: 7.00
Refined, floated, bags .....	ton	18.00	: 30.00
Air floated, bags .....	ton	32.00	: 50.00
Extra, floated, bags .....	ton	55.00	: 65.00
Colloidal, 100 lb bot. ....			: 2.80
SILVER metal American os ..	os		: .70%
Silver Iodine, 16 os bot .....	os		: .60
Nitrate 16 os bot .....	os		: .47%
Bulk .....	os		: .34
Proteinates, 1 oz bot .....	os		: .36
Bulk .....	os		: .29
Soap, Castile, 40 lb bbs .....	D	.20	: .25
Powd. USP, 250 lb bbls .....	D	.25	: .30
Green, USP, 150 lb kegs .....	D	.07%	: .08%
Soapstone, see Talc. crude			
SODA ASH, 58% light			
1-4 bags, deliv'd NY .....	D	2.19	: 2.24
5 & Up bags deliv'd NY .....	D	2.04	: 2.19
1-4 bbls, deliv'd NY .....	D	2.44	: 2.49
5 & Up bbls deliv'd NY .....	D	2.29	: 2.34
Contract, Basis 58% bags c/l			
wix .....	D	1.28	: 1.33
Prompt and spot, Basis 58% bags			
c/l wix .....	D	1.48	: 1.53

Contract, Basis 58% dense bags			
SODA ASH (Cont.)			
c/l wix, .....	D	1.45	: 1.50
Pmt and spot, Basis 58% bags			
c/l wix .....	D	1.50	: 1.55
SODA, CAUSTIC, 76% solid			
1-4 drums deliv'd NY .....	D	3.91	: 3.96
5 & Up drums deliv'd NY .....	D	3.76	: 3.81
Ground & Flake, 76%			
1-4 drums, deliv'd NY .....	D	4.31	: 4.36
5 & up drs deliv'd NY .....	D	4.16	: 4.21
1-4 bbls deliv'd NY .....	D	4.58	: 4.63
5 & up bbls deliv'd NY .....	D	4.41	: 4.46
Contract basis 76% c/l wix			
100 lb			: 3.10
Pmt and spot, Basis 76%			
c/l wix .....	D	3.20	: 3.25
Contract 74% low grade c/l			
wix, flat .....	D	3.01	: 3.06
Ground & Flake, 76% pmt and			
spot, wix, c/l drs .....	D	3.60	: 3.65
Contract 76% drums c/l wix,			
flat .....	D	3.50	: 3.55
USP, stick, 10 lb cans .....	D	.19	: .21
Pure, stick, by alcohol .....	D	.25	: .27
Soda Sal, see Sodium Carbonate			
Sodium Metal, 12 1/2 lb bricks ..	D		: .27
SODIUM ACETATE, crys. 450 lb bbls			
wix .....	D	.05	: .05%
Aluminate 500 lb bbls wix D		.07%	: .08
Aluminum Sulfate, see alum. soda			
Arsenite, 4 lb mat, wix drums gal		.50	: .60
Drums, 8 lb material, wix gal		1.00	: 1.20
Bismute, USP, 100 lb bbls ..	D	.50	: .55
Bicarbonate, 400 lb bbls NY 100 lb			: 2.25
Bbls c/l wix .....	D	2.00	: 2.05
112 lb kegs, wix .....	D	2.25	: 2.30
112 lb kegs NY .....	D	2.50	: 2.55
Bichromate, 600 lb cases wix ..	D	.06%	: .07
Cases c/l NY .....	D	.06%	: .07
Cases, NY .....	D	.04%	: .05%
Residue, dry powder, 500 lb			: .04
bbls, wix .....	D	.04	: .04%
Imported .....	D	.03%	: .03%

Soda Ash

Bicarbonate of Soda

Caustic Soda

Modified Soda

Special Alkali



## QUALITY

The additional value in  
Diamond Alkalies that main-  
tains them as the Standard.



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PITTSBURGH, PA.



Constant supervision of manufacturing processes and careful searching for advanced methods account in part, for Solvay success and leadership.

Solvay 58% Soda Ash  
Dense—Light  
Solvay Fluf (Extra Light Soda Ash)  
Solvay 76% Caustic Soda  
Solid—Flake—Ground  
Solvay Super Alkali  
Solvay Snowflake Crystals  
(Trademark Registered)  
Solvay Laundry Soda  
Solvay Cleansing Soda  
Solvay Tanners Alkali  
Solvay Tanners Soda  
Solvay Liquid Caustic Soda  
Solvay Calcium Chloride 73%—75%



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## Chemicals

## SODIUM—(Continued)

Bromide, USP, 450 lb bbls..	.48	: .48
Cases, 50 lb .....	.48	: .48
Imp. USP, 220 lb cases ..	.42	: .44
Bromate, 100 lb .....		: 1.10
Caecodylate, USP, 25 lb		
50 lb bot .....	6.00	: 6.10
Carbonate Sal Soda 350 lb bbls.		
1c/l NY .....	1.30	: 1.35
Works c/l .....	1.10	: 1.30
Monohydrate, 400 lb bbl		
1c/l NY .....	1.00	: 2.40
Pure photographic 100 lb		
kg .....	.08	: .08
Chlorate, 112 lb kgs, wts ..	.08%	: .08%
Imported, 112 lb kgs .....		: .08%
Chloride, tech .....	13.00	: 13.00
C. P., 300 lb bbls .....	.05	: .06
Chromate 300 lb bbl .....		: .08
Citrate, USP, 1X, 50 lb bbls		
kgs .....	.52	: .54
USP, VIII, 50 lb bbls kgs ..	.45	: .47
Cyanide 96-98% 100 & 250 lb		
whs .....		: .20
75-76% 100 lb cases wts ..		: .17%
120-125% 200 lb cs .....	.18	: .18%
120-125% 200 lb cs .....	.15	: .16
118-120% 200 lb cs .....	.14	: .15
Fluoride, 300 lb bbls, wts ..	.09	: .09%
Imp. 350 lb bbls .....	.08%	: .09
Glycero-phosphate USP cryst. 25 lb		
cases .....	1.40	: 1.55
Powder, 25 lb tins .....	1.45	: 1.60
Solution, USP, 25 lb tins ..	1.05	: 1.30
Hydroxide, see Soda Caustic		
Hypochlorite Soln, 100 lb cys ..		: .05
14% wts, 50 lb cys .....		: .04
Hydroxide, 200 lb bbls f.o.b. wts	.22	: .24
For Stripping, 50 lb cases ..	.30	: .35
Hypophosphite, USP, 25 lb cases		
b .....	.70	: .75

## SODIUM—(Continued)

HYPOSULFITE, tech. pea crys.		
375 lb bbls, wts .....	2.65	: 3.05
Bbls, c/l wts .....		: 2.50
100 lb kgs, wts .....	2.30	: 2.90
Imp .....	2.75	: 3.00
Regular crys, bbls, wts .....	2.40	: 2.65
Bbls, c/l wts .....	2.40	: 2.50
Kgs, wts .....	3.00	: 3.10
Imp .....	2.35	: 2.45
Iodide, USP, 25 lb jars .....	4.25	: 4.80
Metasilicate, 150 lb bbls .....	.70	: .75
Molybdate 100 lb kgs .....		: 1.10
Naphthionate, 300 lb bbls ..	.55	: .57
Nitrate crude, 95% 200 lb kgs		
c-l NY .....	2.55	: 2.59
Oct.-Nov. Shipment NY 100 lb		
Double Endred 400 lb bbls		
gran. c/l wts .....		: .03%
Powdered bbls c/l wts .....		: .05%
Nitrite, 500 lb bbls, spot makers ..	.09	: .09
Imp. 650 lb cases .....	.09	: .09%
Ortho-Chloro-Toluene Sulfonate,		
175 lb bbls, wts .....	.25	: .27
Oxalate, neutral, 100 lb kgs ..	.20	: .23
Perborate, 275 lb bbls .....	.21	: .23
Imp. 225 lb dra .....	.21	: .23
Peroxide, 200 lb cases .....		: .27
Phosphate, di-sodium, tech. 550 lb		
Bbls .....	3.40	: 3.75
USP, gran, 275 lb bbls .....	.07	: .07%
Imp. gran .....	.04%	: .05%
USP, Crystal, 275 lb bbls ..	.07%	: .08
Mono-sodium, 100 lb kgs .....	.30	: .31
Tri-sodium tech. c-l bbls 100 lb		: 3.90
Picramide, 100 lb kgs .....		: .60
Para-Toluene Sulfonate 175 lb		
bbls .....	.08	: .09
PRUSSIAN, yellow, 350 lb bbls		
whs .....	.10	: .10%
Imp 50 lb cks .....	.10	: .10%
Pyrophosphate, 100 lb kgs .....	.24	: .26
Sulicylate, 100 lb kgs .....		: .40
Second hands, USP, kgs .....	.39	: .40

## SODIUM—(Continued)

Silicate, 40° turbid, tanks		
whs .....	100 lb	: .75
55 gal drums, wts .....	.85	: 1.10
40° clear, tanks, wts .....	100 lb	: 1.10
55 gal dra, wts .....	100 lb	: 1.30
42° turbid, tks, wts .....	100 lb	: .80
55 gal dra, wts .....	100 lb	: .90
42° clear, tanks, wts .....	100 lb	: 1.35
55 gal dra, wts .....	100 lb	: 1.70
Silicofluoride, 450 lb bbls NY D		: .04%
Stannate, 100 drums .....		: .39
Sulphate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls		
c/l wts .....		: .03%
Imp. 250 lb bbls .....		: .03%
Sulfide, 60% solid, 650 lb dra.		
1c/l wts .....		: .04%
Dra. c/l wts .....		: .04
Imp. 700 lb dra NY .....		: .03%
60% broken, 650 lb dra. wts ..		: .04%
Dra. c/l wts .....		: .04%
30% crys. 440 lb bbls. wts ..		: .02%
Imp. 400 lb bbls .....		: .02%
Sulfite, crys. 400 lb bbls. wts ..		: .03%
Anhydrous, 400 lb bbls .....		: .09%
Sulfocarbonyl, USP, 100 lb kgs ..	.32	: .34
Sulfocyanide, 400 lb bbls .....	.40	: .45
Tungstate, crys. 100 lb kgs .....	.70	: .75
SOLVENT NAPHTHA, 110 gal		
dra. wts .....	.31	: nom
8,000 gal. tank cars wts gal	.20	: nom
Sparteine Sulfate, USP, 25 ozs bulk or		: .60
Single oz. vial .....		: .77
Spruce, 25% liquid tanks, wts ..	.01	: .01%
Powd. 50% 100 lb bags. wts ..	.02	: .02%
Starch, rice, 140 lb bags .....	.00	: .10



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Columbia Chemical Division,  
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Caustic Soda

All Tests

Soda Ash

Dense-Light  
Granular if Desired

Sole Selling Agents

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ACETATE of LIME

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90 WEST STREET  
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## Chemicals

STARCH, powd. 140 lb bgs c/l 100 lb	3.57
Bags 1c/l 100 lb	3.67
Pearl, 140 lb bgs 100 lb	3.47
Bags 1c/l 100 lb	3.57
Potato domestic, 200 lb bags c/l lb	.04 : .04%
Imported bags duty paid lb	.06% : .07
Wheat, dom thick bgs lb	.06% : .07
Thin bgs lb	.02% : .10
Sol. Potato lb	.07 : .07%
STARCH Bromide, USP, 50 lb	
bags lb	.51 : .52
Carb. N. F. 600 lb bbls. wks lb	.30
100 lb kegs, wks lb	.08
Iodide USP 75 lb jars lb	4.00
Nitrate 600 lb bbls wks lb	.08 : .08%
Imp, bbls NY lb	.08 : .08%
Sulphate, USP, 100 lb kegs lb	.75 : .80
STRYCHNINE Alkaloid, USP, crys.	
100 gm. tins lb	.71
Japanese, cans lb	.75
Alk. powd. USP lb	.61
Acetate lb	.65
Glycerophosphate, USP lb	.65
Hydrobromide lb	.65
Hydrochloride lb	.65
Hydrophosphate lb	.75
Nitrate, USP lb	.65
Phosphate lb	.65
Sulfate, USP, crys. powd lb	.58
Saccharinate lb	1.35
Strychnine preparations quoted bases	
100 gm lots in 100 gm tins. Small sizes:	
1/2 oz vials, 50c extra; 1/4 oz vials, 25c	
extra; single ounce vials, 7c extra. Lots	
of 25 cm. 5c higher than above	
schedule Lots of less than 25 cm.	
10c higher per cm.	
Sugar Coloring (See Caramel)	
Sugar Milk, USP, 200 lb bbls lb	.20 : .21
Second Hands, USP, bbls lb	.18 : .19
Sulfonal, see Sulfonmethane	
Sulfonethylnmethane, USP, 10 lb bbls lb	3.55 : 4.05
Sulfonmethane, USP, 10 lb bbls lb	2.55 : 2.85

SULFUR	
Crude, f.o.b. mines ton	14.00 : 15.00
Brimstone, 250 lb bags, c/l 100 lb	1.75 : 1.95
Low c/l bags NY 100 lb	1.85 : 2.10
Roll, 500 lb bbls c/l NY 100 lb	2.15
Low c/l bags NY 100 lb	2.20 : 2.45
Flour, Heavy, 200 lb bbls, 100 lb	2.50 : 3.05
Light, 100% 260 lb bbls, 100 lb	2.60 : 3.15
Rubbersmokers 100% 240 lb	
bbls, NY 100 lb	2.50 : 3.15
Commercial, 99% 150 lb bgs	
NY 100 lb	1.35 : 1.65
For Dusting, 99% 100 lb	
bgs, NY 100 lb	1.05 : 2.30
Flowers, 100% 240 lb bbls	
NY 100 lb	3.35 : 3.90
Precipitated, 125 lb bbls NY lb	.15 : .17
Lac, 125 lb bbls NY lb	.10
Sulfur Chloride, red, 700 lb drs	
wks lb	.05% : .06
150 lb ctyrs, wks lb	.07
Yellow, 700 lb drs wks lb	.04% : .05
150 lb ctyrs, wks lb	.04
Sulfur Dioxide, 100 lb cyl lb	.08 : .09
1-cm USP, VIII, 5 lb bot. lb	4.55
Sulfuric Ether, see Ether	
Sulfuric Chloride, 600 lb drs lb	.65 : .70
Sumac, Liquid, 450 lb bbls lb	.05% : .06%
Stainless, 600 lb bbls lb	.11 : .11%
Sumac, Sicily leaves 100 lb bags ton	150.00
Ground ton	130.00
Virginia, 150 lb bags ton	55.00 : 60.00
Destructive, distilled, bbls gal	.88 : .70
TALC, Italian 220 lb bags NY ton	40.00 : 50.00
Refined, white, bags ton	50.00 : 55.00
French, 220 lb bgs, NY ton	30.00 : 35.00
Refined, white, bags ton	38.00 : 45.00
Dom., crude, 100 lb bags NY ton	12.00 : 15.00
Refined, 100 lb bags NY ton	14.00
Tankage, ground, NY unit	4.35
High grade f.o.b. Chicago unit	4.00
So Am. c.l.f. unit	4.40
Tapioca Flour, high grade bgs lb	.05% : .06
Medium grade, bags lb	.04% : .05
Low grade, bags lb	.03% : .03%

Tar Coke Oven, Tks. wks gal	.07 : .08
Water Gas, Tks. wks gal	.08
Tar, kiln-burnt bbl	14.00
Retort bbl	15.00
Tartar Emetic, tech. 700 lb bbls lb	.28
USP, 300 lb bbls lb	.31 : .34
Tenilac 41, 100 lb drums lb	.65
Tenilac 69, 100 lb drums lb	4.80
Terpin Hydrate, USP, 100 lb kegs lb	.45 : .47
Terpineol, CP, 1000 lb drums lb	.38 : .40
Cans, 50 lb lb	.42 : .45
Imported, cans 25 lb lb	.43 : .46
Terpinyl Acetate, 25 lb cans lb	1.65 : 1.85
Terra Alba, No. 1, 300 lb bus. 100 lb	1.85 : 1.90
Tetralene, 50 gal drs wks gal	1.45
Tetrachlorethane See Acetylene Tetrachloride	
Theobromine Alk., 5 lb cans lb	3.60 : 3.75
Sol. Salicylate, 1 lb bot. lb	3.92
Tetocarbamid, 170 lb bbls lb	.34 : .36
Thymol, USP, 25 lb tins lb	4.00 : 4.35
Iodide lb	6.75 : 7.00
TIN, metal Straits NY lb	.60
Iodine, 5 lb boxes lb	7.25 : 7.50
American Standard, NY 100 lb	59.00
99% American, NY 100 lb	57.75
Stichloride, 50% sola. 100 lb	
bbls wks lb	.16%
Crystals, 500 lb bbls wks lb	.41
100 lb kegs wks lb	.41%
Oxide, 300 lb bbls wks lb	.60
100 lb kegs wks lb	.62
Tetrachloride, 100 lb drs wks lb	.34
Titanium Oxide, bbls, wks lb	.13 : .14
Tolidine, 350 lb bbls lb	.90 : .94
Sulfate, 350 lb bbls lb	.80 : .85
Toluene, 8000 gal tank cars wks gal	.26
110 gal drs wks gal	.31
Toluidine, Mixed, 900 lb drs, wks lb	.31 : .32
Toners, para red lb	.85 : .90
Toluidine lb	1.75 : 1.80
Trional, 50 gal drs wks lb	.75 : .80
Tribromophenol, 100 lb cases lb	1.10
Trional, see Sulfonethylnmethane	
Triphenylguanidine lb	.69 : .73
Triphenyl Phosphate, 450 lb bbls lb	.75

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## Chemicals

Tripoli, 500 lb bbls .....	100 lb	2.50	2.00
Tungsten, NY .....	Wolunit	11.75	13.00
Turkey Red Oil, bbls single .....	D	.11	.12
Double .....	D	.16	.18
Turpentine Spirits, bbls .....	gal	1.12	1.18
Wood steam Dist. bbls .....	gal	1.02	1.08
Ultramarine Blue .....	D	.16	.26
UREA, pure, 112 lb cans .....	D	.18	.20
Valonia Caps, 80-91% tan .....	ton	55.00	58.00
Beard, 45% tan, bps .....	ton	57.00	58.00
Mixture, 30% tan .....	ton	59.00	60.00
VANILLIN, USP, 500 on cans .....	oz	..	.44
Cans, 80 ozs .....	ozs	..	.45
Cans, 16 ozs .....	ozs	..	.46
Second Hands .....	ozs	.42	.44
Venetian Red .....	D	..	.85
Verdigris, see Copper Subacetate			
Vermilion, Amer. 100 lb bags .....	D	.35	.40
English, bags .....	D	1.45	1.45
Vinetrine Sulfate, 1 oz vial .....	oz	..	1.35
Hydrochloric, 1 oz vial .....	oz	..	1.35
Vitriol, see Acid Distilled Sulfuric			
Vulcan, 250 lb bbls, vis. ....	D	.75	.75
Wattle Bark, bps .....	ton	44.50	46.00
Extract 55% able bps ex-deck .....	D	..	.05%
WHITE LEAD, see lead, white			
White Precipitate, see mercury			
Whiting, 200 lb bags, c/l vis 100 lb	..	..	1.25
Olders, bags NY .....	100 lb	..	1.35
French, bags NY .....	ton	14.50	15.00
English, bags, NY .....	ton	21.00	22.00
Paris White .....	100 lb	1.30	1.35
White Hard Extract, 50 gal bbls gal	1.05	1.10	
XYLENE, 3° dist range, nitration			
110 gal drs NY .....	gal	.55	nom
8° dist range, 8000 gal. tanks			
vis. ....	gal	.40	nom
110 gal drs vis .....	gal	.45	nom
10° dist range, drums, vis. ....	gal	.40	nom
Tanks, vis .....	gal	.35	nom
Commercial, 110 gal drs vis gal	..	.32	nom
Tanks, vis .....	gal	.27	nom
Xylidine, crude .....	D	..	.37
Refined .....	D	.40	.42

YARA YARA, 1 lb tin .....	D	1.65	1.80
Yohimbin Hydrochloride, 1 oz vial .....	oz	3.15	4.00
Zinc .....	D	..	3.00
Yolk Oil bbls .....	D	..	.35
ZINC, METAL, high grade, slabs			
c/l NY .....	100 lb	3.37 1/2	3.40
Common Slabs, c/1 NY 100 lb	..	7.95	7.97 1/2
Moss, 25 lb tins, NY .....	D	..	.14
Ammonium Chloride, powd., 400 lb			
bbls .....	D	..	.08%
Carb. tech bbls NY .....	D	.10	.10%
CBP, 100 lb bags .....	D	..	.20
Chloride, fused, 500 lb drs vis. D	..	..	.07%
Dr. c/l vis .....	D	..	.06
Granulated, 500 lb bbls vis. D	..	..	.08
Imported, dr NY .....	D	.07	.07%
Solution, 50%, tanks vis 100 lb	..	3.00	
CBP, 25 lb jars .....	D	.37	.39
Cyanide, 100 lb drs .....	D	.40	.41
Dust, 100 lb tins, vis .....	D	..	.10
500 lb bbls bags c/l vis .....	D	..	.09
500 lb bbls, bags, 1c/l vis .....	D	..	.09%
Iodide, 5 lb lots .....	D	5.35	
Nitrate, 25 lb jars .....	D	..	.45
Oxide, Amer. Bags vis .....	D	.07%	.07%
Oxide, Amer 300 lb bbls vis. ..	D	.07%	.07%
French, 300 lb bbls vis .....	D	.10	.12%
Bbl. c/l vis .....	D	.09%	.11%
Bags, c/l vis .....	D	.09%	.11%
USP, 100 lb bbls c/l .....	D	..	.14
10-25 bbl lots .....	D	..	.15
5 bbl lots .....	D	..	.16
1 bbl lots .....	D	..	.17
Imported, white seal, bbls .....	D	..	.12
Green seal, bbls .....	D	..	.10
USP 100 lb bbls .....	D	.17	.18%
Stearate, USP, 50 lb bbls .....	D	.21	.23
Second Hands .....	D	.20	.21
Sulfate, 400 lb bbls vis .....	D	.03%	.03%
Bbls, c/l vis .....	D	..	.08
USP 100 lb bbls .....	D	.14	.15
Sulfos. 500 lb bbls .....	D	.30	.33
Sulfocarbamate, 100 lb bags .....	D	.30	.33
vis .....	D	1.35	1.75
Zirconium, oxide, pure .....	D	.45	.50
Scrub-ref'd, bps .....	D	.65	.10
Natural, bps .....	D	.02%	.03

## Oils - Fats

Caster, No. 1, 400 lb bbls .....	D	.16	.16%
50 lb cans .....	D	.17	.17%
No. 2, bbls .....	D	.15%	.16
Blown, 400 lb bbls .....	D	..	.18
China Wood, spot NY .....	D	..	.13%
Tanks, Spot NY .....	D	..	.12%
Coast, tanks .....	D	.11%	.12%
Cocunut, Ceylon, 375 bbls NY D	..	.13%	.14
8,000 gal tanks NY .....	D	.12%	.13
Cochin, 375 lb bbls NY .....	D	..	nom
Tanks NY .....	D	..	nom
Manila bbls NY .....	D	.13%	.14
Tanks, Pacific Coast .....	D	..	.11%
Edible bbls NY .....	D	.13	nom.
Cod Newfoundland, 50 gal bbls gal	..	.60	.62
Tanks, NY .....	gal	.54	.55
Cod Liver, see Cod Liver Oil under Chemicals			
Copra, bags .....	D	.05%	.06
Corn, ref., 375 lb bbls, NY .....	D	..	.13
Crude, tanks mills .....	D	.10	.10%
Bbls NY .....	D	.12%	.13
Cottonseed, crude tks mill .....	D	..	.08%
FSY, 100 Bbls NY Oct .....	D	..	.10%
Nov. May .....	D	.10%	.10%
White, 100 bbls lots, NY .....	D	..	.14
Winter yellow, 100 bbls, NY .....	D	.13%	.14
Degras, Amer, 50 gal bbls, NY .....	D	.04%	.04%
English, light, bbls, NY .....	D	.05%	.05%
Brown, bbls, NY .....	D	.04%	.04%
Light brown, bbls, NY .....	D	.04%	.04%
Dark, bbls, NY .....	D	.03%	.04
Neutral, bbls, NY .....	D	.07%	.12
Moellon, bbls, NY .....	gal	..	.60
Greases, erholce white, bbls NY D	..	.14%	.15
Yellow .....	D	..	.09%
House .....	D	..	.09%
Brown .....	D	..	.09
Bone naphtha .....	D	..	.07

## Benzoate of Soda

## Benzaldehyde

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Produce white emulsion free from deposit.  
Phenol coefficients guaranteed.

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## Oils - Fats

Herring, Tanks, Coast	gal	.40	nom.
Horn, 375 lb bbls, NY	lb	.10	nom.
Lard, prime steam, bbls	lb	.17%	.17%
Compounds, bbls	lb	.14%	.14%
LARD OIL, edible prime	lb	.19%	.19%
off prime bbls	lb	.18%	.18%
Extra bbls	lb	.15%	.15%
Extra, No 1, bbls	lb	.13%	.13%
No 1, bbls	lb	.13%	.13%
No 2, bbls	lb	.13%	.13%
LINSEED, raw c/l bbls spot	lb	.131	.131
Five bbls raws	lb	.135	.135
Tanks, raw	lb	.123	.123
Boiled, 5 bbl lots wks	lb	.139	.139
Double boiled, 5 bbl	lb	.14	.14
Oct. April c/l wks	lb	.131	.131
Imported bbls, NY	gal	.131	.131
Tanks, NY	gal	.131	.131
Menhaden, crude bbls wks	gal	.55	.55
Crude, tanks Balt	gal	.52	.55
Light pressed, bbls NY	gal	.68	.70
Yellow, bleached, bbls, NY	gal	.71	.73
Extra bleached, bbls, NY	gal	.73	.75
Blown, bbls, NY	gal	.10%	.10%
Neatsfoot 20° c.t. bbls NY	lb	.18	.18
Pure bbls NY	lb	.15%	.15%
Extra bbls NY	lb	.13%	.13%
No 1, bbls NY	lb	.13%	.13%
Geo Oils No 1 bbls NY	lb	.16	.16%
No 2 bbls NY	lb	.13	.13%
No 3 bbls, N.Y.	lb	.12	.12
OLIVE denatured bbls NY	gal	1.23	1.25
Edible, bbls, NY	gal	2.00	2.80
Foots bbls NY	lb	.08%	.09%
Shipments	lb	.09	.09%
Palm Lago, 1500 lb casks	lb	.09%	.09%
Niger casks	lb	.09%	.09%
Soury old Calabar, casks	lb	nom.	nom.
Palm Kernel, bbl, NY	lb	.11%	.11%

Peanut, refined, bbls, NY	lb	.15	.16
Crude, mills buyers' tks	lb	.15	.15
Crude, bbls, NY	lb	.10%	.10%
Perilla, bbls NY	lb	.15%	.15%
Poppyseed, bbls, NY	gal	2.00	2.25
Rapeseed, refined bbls NY	gal	.98	1.00
Blown bbls NY	gal	1.16	1.18
Red Oil, distilled, bbls	lb	.11%	.12%
Saponified, bbls	lb	.11%	.12%
Tanks	lb	.11	.11
Salmon, 8000 gal. tks. Coast	gal	.50	nom.
Sesame, edible, yellow bbls	lb	.14	.14%
White	lb	.16	.16%
Sod Oil, bbls, NY	gal	.40	.40
SOYA BEAN, crude tks, Pacific Coast	lb	.11%	.11%
Crude, tks, NY	lb	.12%	.12%
Crude, bbls NY	lb	.13%	.13%
Refined, bbls, NY	lb	.14%	.14%
Sperm, 38° c.t. blechd. bbls NY gal	lb	.87	.89
45° cold test, blechd. bbls NY gal	lb	.85	.87
STEARIC ACID, s.p. 200 lb bags	lb	.15	.15
Double pressed, bags	lb	.15%	.16
Double pressed, bgs. saponified	lb	.15%	.16
Triple pressed, bgs., distilled	lb	.17%	.18%
Triple pressed, bgs saponified	lb	.17%	.18%
Stearine oleo, bbls	lb	.13%	.14
Tallow edible tierces	lb	.11%	.11%
City Extra, Loose	lb	.10%	.10%
Tallow Oil, acidless tks, NY	lb	.11%	.11%
Bbls c/l NY	lb	.13%	.13%
Walnut, crude bbls, NY	lb	.13%	.13%
Whale, nat winter bbls, NY	gal	.70	.70
Bleed. winter bbls, NY	gal	.70	.70
Extra Rich, bbls, NY	gal	.08	.08
Crude, No. 1, tanks Coast	gal	.08	.08
Crude, No. 2, tanks Coast	gal	.08	.08
Crude, No. 3, tanks Coast	gal	.08	.08

## Crude Drugs

Acetone Gum, red, see Yacca	lb	.09	.10
ACONITE LEAVES, bales	lb	.25	.26
Root, USP, bags	lb	1.30	1.40
Agar Agar, 1, 200	lb	1.35	1.40
No. 2 bales	lb	1.10	1.25
No 3 bales	lb	2.75	3.00
Agaric, white, cases	lb	2.25	2.40
Granulated, boxes	lb	.55	.60
Almonds, bitter, boxes	lb	.65	.70
Sweet, boxes	lb	.24	.26
Meal, barrels, boxes	lb	.36	.37
Altria Root, bags	lb	.08%	.09
Alkades Root, bag	lb	.70	.75
Alon, Barbados, 120 lb bbls	lb	.10	.12
Cape, 400 lb cases	lb	.10%	.11
Curacao, 100 lb cases	lb	.32	.32
Sootrine whole, 300 lb cs	lb	.26	.28
Select, calms, lb	lb	.45	.47
Althea Root, Cuts, cs	lb	.24	.25
Whole	lb	8.00	10.00
Ambergris, black boxes	lb	.00	36.00
Grey, boxes	lb	.75	.80
Ammoniac, tears, bags	lb	.16	.17
Angelica Root, dunn. bags	lb	.15	.20
Angostura Bark, bags	lb	.14%	.15
Anise, Levant, bags	lb	.15	.15%
Russian bags	lb	.16	.17
Star Cases	lb	.15	.17
Spanish bags	lb	.15	.18
Annatto Seed, 200 lb bags	lb	.24	.25
ARABIC GUM.	lb	.22	.23
White, No. 1, 200 lb bags	lb	.13	.13%
Seconds, 250 lb bags	lb	.21	.23
Sorts, Amber, 200 bgs bbl lb	lb	.15	.17
Powd. USP, 300 lb bbls	lb	.30	.31
Arcaia Nuts 150 lb bags	lb	.12%	.14
Powd., 200 lb bbls	lb	.12%	.14
Argols, Red, grd. see Chemicals	lb	.12%	.14
Arnica Flowers, bales	lb	.12%	.14
Root, bags	lb	.12%	.14

## B E E S W A X

Ceresin, All Grades and Colors  
Refined Yellow Beeswax

Pure Crude Beeswax  
Spermaceti-Bayberry

Snow Flake White Bleached Beeswax  
Carnauba, Natural, Bleached and Powdered  
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## Crude Drugs

Arrowroot, Amer. Pond. Mls. ....	.10	.10%	Cassia Batavia, No. 3 bales ....	.10	.10%	Hecampene Root, bags ....	.08	.09
Bermuda, lbs. ....	...	...	China, Select rolls cases ....	.11%	.11%	Kider Flowers, bags ....	.10	.13
St. Vincent Powd. bbls. ....	.12	.13	Broken, bales ....	.04%	.08%	Elemi Gum, 85 lb cases ....	.16	nom
Anafetida, USP, 250 lb cases ....	.94	.97	Buds, cases ....	.24%	.25	Kin Bark, select 5 lb bundles cases	.26	.27
Powd., 50 lb bxs ....	.45	.50	Cassia Fistula, baskets ....	.07	.09	Grinding, bags ....	.16	.17
BALM GILEAD BUDS, bags ....	.40	.42	Castile Soap, USP, powd., 200 lb	.30	.32	Powdered, bbls. ....	.33	.35
Balmory Herin, bales ....	...	.14	bars ....	.05	.05%	ERGOT 150 lb 200 lb bags ....	.85	.90
BALSAMS			Caster Beans, bags ....	.05	.05%	Eucalyptus Leaves, bales ....	.05%	.06
Copaiba, Para 80 lb cs ....	.39	.40	Castoreum, See Aromatic Chemicals, Perfumes, San-			Euphorbia Pinnifera Herb, bags ....	.08	.08%
South American, 80 lb cs ....	.45	.46	dries			Euphorbia Gum, cases ....	.23	.27
Fir Canada, cases ....	11.60	13.00	Catnip Herb, bales ....	.23	.26	Powdered boxes ....	.23	.26
Oregon Mts cases ....	.90	.95	Catechu Gum, bags ....	.11	.12	Fennel Seed, French, bags ....	.08%	.09
Para, 150 lb cases ....	1.75	1.80	Celery Seed, bales ....	.33	.35	German bags ....	.12%	.13
Tolu, 150 lb cases ....	1.40	1.50	Carsein Wax, white bags ....	.12	.30	Indian, bags ....	.08%	.09
Bamboo Brier Root, bags ....	.06	.07	Yellow, 200 lb bags ....	.10	.12	Pennycress Seed, 200 lb bags ....	.05	.05%
Barberry Bark, tree bales ....	.13	.15	Imp 100 lb bags ....	...	.34	Fish Berries, 100-125 lb bags ....	.07%	.08
Root, bags ....	.30	.32	CHAMOMILE FLOWERS, Roman			Flax Seed, whole, 180 lb bbls. ....	15.00	15.05
Barberry Bark, bales ....	.10	.13	cases bales ....	.20	.25	Ground, 180 lb bbls. ....	.08	.08%
Wax, bbls. ....	.31	.32	Hung. cases bales ....	.18	.20	Fringe Tree Bark, bags ....	...	.25
Selladonna Leaves, bales ....	.35	.37	Charcoal, Willow powd bbls ....	.06	.06%	Fumigating Pastilles Black, 1 lb		
Root, bags ....	.15%	.17	Wood, powd. bbls. ....	.04	.08	bones ....	...	.18
Bees Wax, white cases ....	...	.55	Castnut Bark, bags ....	.07	.08	Red, 1 lb boxes ....	.45	.50
Yellow, refined, cases ....	...	.45	Herb, bales ....	.08	.08%	GALANGAL ROOT, bags ....	.09	.10
Crude bags ....	.39	.42	Chicle Gum 100 lbs ....	.85	.90	Galbanum Gum, cases ....	...	1.35
Bennet Gum, Stam. boxes ....	1.80	1.80	Chloretia, bales ....	.07	.10	Gambier Gum, bbls ....	...	.13
Sumatra, 80 lb boxes ....	.23	.24	Cinchona Bark, red quill bales ....	.75	.85	Gamboge Gum, 100 lb cases ....	...	nom
Berberis Aquifolium Root, bags ....	.11	.13	Broken cases ....	.25	.29	Powdered cases ....	1.35	1.50
Both Root, bags ....	.22	.25	Cinnamon, Ceylon, No 1 bales ....	.44	nom	Galbanum Gum, cases ....	...	1.35
Bitter Root, 100 lb bags ....	.40	.43	No. 2 bales ....	.41	.42	Gentian Root, bags ....	.07%	.08
Blackhaw Bark, root, bales ....	.30	.31	No. 3 bales ....	.38	.39	Ground, bbls., boxes ....	.12	.13
Tree, bales ....	.15	.17	Civet, Abyssin horns ....	3.85	2.80	Powdered, boxes ....	.13	.13
Black Indian Root, 100 lb bags ....	.40	.43	Clover Tops, bags ....	.17	.21	Ginger African bags ....	.15%	.15%
Blood Root, bags ....	.12	.13%	Cloves, Zanzibar 135 lb bales ....	.27%	.28	Jamaica, grinding, bags bbls ....	.18	.19
Sliding Root, bags ....	.27	.29	Amboyans, bales ....	...	nom	Japan, bags ....	.20	.21
Rolet Leaves, bales ....	.15	.30	Penang, bales ....	.40	.42	Cochin, ABC & Lemon, bags ....	.18%	.19%
Ronset Herb, bales ....	.08	.08%	Cochineal, Black ....	...	.56	Ginseng Root, cultivated, bags ....	8.00	10.00
Leaves, bales ....	.09	.11	Silver ....	...	.63	Northwestern Wild, bags ....	12.00	14.00
Storage Flowers, bales ....	.15	.20	Coca Leaves, Huasno bags ....	...	...	Southern Wild, bags ....	8.50	10.00
Rhyonia Root, bags ....	.11	.12	Truxillo, bags ....	...	...	Golden Seal Root, bags ....	4.65	4.70
SUCHS LEAVES, short, 350 lb			Cobosh Root, Black bags ....	.07%	.15	Powdered boxes ....	4.90	5.15
bales ....	.62	.63	Blus, bags ....	.10	.11	Grains of Paradise, bags ....	.13	.14
Low bales ....	.63	.65	Colchicum Root, bags ....	.06%	.07	Grindella Robusta Herb, bales ....	.09	.09%
Lone bales ....	...	...	Seed, bags ....	.16	.17	Guaiac Gum, 80 lb cases powd ....	.38	.44
Northwestern Leaves, bales ....	.11	.13	Colocynth, Pulp USP bales ....	.22	.25	Guarana, fine cases ....	.65	.80
Nuckthorn Bark, bags ....	.06%	.07	Coltsfoot Leaves, bags ....	.25	.26	GUM, see Arabic Gum, etc.		
Burdock Root, bags ....	.09%	.10	Comfrey Root, bags ....	.13	.14	HELLEBORE ROOT,		
Burgundy Pitch, com., 110 lb stands			Cendurango Bark, bags ....	.13%	.13	Black, bbls ....	.06	.07
Grass for net ....	.05%	.05%	Conium Herb, bags ....	.11	.12	Powdered ....	.13	.15
Imported ....	.10	.11	Conium Seed, bags ....	.10	.11	White, 250 lb bbls ....	.09	.10
Calabar Beans bags ....	.70	.75	Copaiba Balsam Para, see Balsams			Powdered ....	.12	.15
Calamus Root, bleached, cases ....	.38	.34	Copal Gum ....	.13	.13	Helonias Root, (undero false)		
Unbleached, bags ....	.06%	.07	Jorlander Seed, Bombay, bags ....	.06	.06%	bags ....	.70	.75
Calendula Petals, imp bales ....	.75	.85	Morocco, bags ....	.04%	.05%	Hemp Seed, bags ....	.03%	.04%
Calisaya Bark, bales powd. ....	.35	.36	Bleached, bags ....	.08%	.09	Herbane Leaves, bales, USP, ....	.25	.31
Campor, see Chemicals			Corn Silk bales ....	.06	.06%	No. assay ....	.22	.26
Canary Seed, Morocco bags ....	.08%	.08%	Cotton Root Bark, bales ....	.13	.14	Henna Leaves, bales ....	.08%	.10
Spanish bags ....	.08	.08%	Jowhags, ex. time ....	...	.65	Powdered ....	.13	.14
South American, bags ....	.07%	.08	Yamp Bark, so-called bales ....	.06%	.07	Honey, Calif., 120 lb cases ....	.11	.12
Dutch bags ....	.07%	.08%	True, bags ....	.80	.82	Hops, NY prime bales ....	.26	.30
Candelilla Wax, bags ....	.30	.31	Cranebill Root, bags ....	.09	.10	Pacific Coast prime bales ....	.25	.27
Canella Alba Bark, bales ....	.48	.50	CUBES BERRIES, XX bags ....	.63	.65	Horehound Herb, bales ....	.07%	.08
Cannabie, true Imp. bags ....	...	...	Powdered, bbs ....	.65	.67	Horse Nettle, Berries, bags ....	.35	.55
American (no assay) bales ....	.22	.25	Culvers Root, bags ....	.17	.18	Hometail Rush, bags ....	...	.15
USP ....	.35	.40	Yudin Seed, Levant bags ....	.14%	.15	Hydrangea Root, bales ....	.09	.10
Cantharides, Chinese cases ....	.80	.85	Malta bags ....	.12%	.13	INSECT FLOWERS, open whole		
Powdered bags ....	1.15	1.20	Morocco bags ....	.12	.12%	Bales ....	.14	.20
Russian, cases ....	.65	.70	Cuttlefish Bone, Trieste, straps ....	.12%	.13	Closed, whole bales ....	.17	.23
Powdered boxes ....	.75	.80	Jewellers large, straps ....	...	.30	Powdered, pure 200 lb bbls ....	.30	.32
Caraway Seed, African, bags ....	.07%	.08	Small, straps ....	...	.25	Flowers and Stems, 50 p.c.		
Dutch, 11 lb bags ....	.07	.07%	French straps ....	.12%	.13	200 lb bbls ....	.24	.30
Cardamom, bleached cases ....	2.50	2.80	Powdered, boxes ....	.08	.08	Ipecac Root, Cartagena bags ....	2.35	2.50
Decorticated cases ....	2.40	2.50	Broths, boxes ....	...	.07	Powdered, 200 lb bbls bxs ....	2.65	2.70
Green, grinding bags ....	1.60	1.65	Damar Gum, 136 lb cases ....	.25	.25%	Elo Whole, bags ....	2.35	2.45
Sassafras Wax, Flor. bags ....	...	.40	Damiana Leaves, bales ....	1.10	1.25	Powdered 200 lb bbls bxs ....	2.65	2.70
Powd. ....	.37	.39	Dandelion Root, Imp bags ....	.18	.20	Singam American, 130 lb ex. ....	.75	.80
No. 2, N Country bags ....	.35	.36	Deer Tongue Leaves, bales ....	.08%	.09	Russian (Beluga) bxs. ctms. ....	4.00	4.50
No. 2 regular bgs ....	.35	.36	Digitalis Leaves, bales ....	.11	.12	JABORANDI LEAVES, bales ....	.10	.10%
No. 3, N Country bags ....	.29	.32	Dill Seed, bags ....	.07%	.08%	Jalap Root, whole, 150 lb bags ....	.26	.30
No. 3, chalky bags ....	.29	.32	Cleaned bags ....	.15	nom	Powdered, USP, 250 lb bbls ....	.34	.34
Caracas, Amarga 150 lb bales ....	1.25	1.50	Yogwood Bark Jamaica, bags ....	.09%	.10	Japan Wax, 224 lb cs ....	.17	.18
So-called, bales ....	.65	.70	American, bales ....	.07	.08	Job's Tears, White, bags ....	.12	.13
Cassara Sagrada, bales,			Doggrass Root, USP, cut bags ....	.10%	.11	Juniper Berries, 125 lb bags ....	.05	.05%
1920-22 bark ....	.26	.28	Dragons Blood, mass cases ....	.70	.75	Sifted ....	...	.06
1923 bark ....	.21	.24	Reeds, boxes ....	.85	.90	KAMALA USP boxes ....	.98	1.00
1924 bark ....	.18	.14	ECHINACEA ROOT, ....	.29	.32	Karaya Gum, powdered, bbls ....	.10	.25
1925 bark ....	.13	.16						
Caracalla Bark, quills, bales ....	...	1.25						
Porting. bbls. ....	...	...						
Cassia Batavia No 1 bales ....	.12%	.12%						
Rhoritick, bales ....	.11%	.12						

# Crude Drugs

Kauri Gum No. 1	Db	.68	.70	Marjoram Leaves, French, bales	Db	.48	.50	Optum, Powdered, USP, cans	Db	13.00	14.00
Kava Kava Root bags	Db	.16	.17	Chilian, bales	Db	.31	.32	Orange Flowers, cases	Db	.35	1.35
Guaiacum, black cases	Db	.55	.60	Mastic Gum, 120 lb cans	Db	.52	.60	Orange Peel, bitter, bags	Db	.07	.08
Kola Nuts, 150 lb bags	Db	.04%	.05	Matteo Leaves, bales	Db	.45		Sweet, bags	Db	.11	.11%
Komoo Flowers, bags	Db	.50	1.25	Neroneon Bark, bags	Db	.11	.12	SHRIS ROOT, Florentine bold bags	Db	.09	.10
LADY SLIPPER ROOT, bags	Db	.45	.50	Millet Seed, dom. yellow bags	Db	.03%	.04	Powdered, 200 lb bbls	Db	.11%	.13
Larkspur Seed, bags	Db	5.00	5.10	Mountain Wax, crude bags	Db	.06%	.07%	Verona, bags	Db	.08	.10
Laurel Berries, bags	Db	.08%	.09	Bleached	Db	.08%	.10	Powdered, 200 lb bbls	Db	.11	.12
Leaves, Greek bags	Db	.05	.05%	Moss, Iceland, bales	Db	.12%	.15	Fingers, cans	Db	.53	.60
Italian, bales	Db	.04%	.05	Irish, bleached, bales	Db	.09	.10	Ozokerite Wax, brown hard bags	Db	.24	.25
American, bales	Db	.25	.35	Ordinary, bales	Db	.35	.90	Green, hard bags	Db	.30	.31
Lavender Flowers, ordinary	Db	.25	.33	Mullein Flowers, tins	Db	16.00	17.00	Refined, yellow, bags	Db	.21	.25%
Selected	Db	.35	.40	Musk, pods, Carboline, tins	Db	22.00	25.00	PAPRIKA, bags	Db	.11	.12
Leeches tubs	Per 100	4.00	5.00	Tonquin	Db	25.00	26.00	Carvera Brava Root, bags	Db	.15	.17
Lemon Peel, bags	Db	.07%	.08	Grain Cab.	Db	35.00	38.00	Fansley Seed, bags	Db	.18	.21
Licorice Root, Russian whole	Db	.12	.13	Tonquin	Db			Fatchouli, Leaves bales	Db	.16	.17
Spanish, natural bales	Db	.05%	.07	Synthetic, see Chemicals	Db			Feltory Root, bales	Db	.07	.10
Powdered, bbls	Db	.08%	.09	Musk root, Russian bags	Db	1.25	1.30	Fenugreek	Db	.14	.14%
Selected, 2 & 5 lb bundles	Db	.12	.16	Mustard Seed Bari brown bags	Db	.12	.12%	Pepper, black, King bags	Db	.32	.32%
Chittings 125 lb bags	Db	.06	.07	Bombay, brown	Db	.06%	.7%	White bags	Db	.23	.23%
Turkish, 150 lb bales	Db	.05	.08	California, brown	Db	.09%	.09%	Alepp, bags	Db	.22	.22%
Lime Juice, clarified bbls	gal	.60	.65	Yellow	Db	.11%	.11%	Lampoon, bags	Db	.23	.23%
Linden Flowers with leaves, bales	Db	.11	.11%	Chinese yellow	Db	.05%	.06%	Tellecherry, bags	Db	.23	.23%
Without leaves, bales	Db	.19	.20	English yellow	Db	.11%	.12%	Muntok, bags	Db	.32%	.33
Lobelia Herb, bales	Db	.40	.42	Dutch, yellow	Db	.10	.10%	Bed Chillies, Japan No 1, lbs	Db	.19%	.21
Seed, bags	Db	.62	.65	Danish, yellow	Db	.08%	.09	Mombasa, bags	Db	.11%	.12
Lorag Root, Imported gals	Db	.18	.25	Myrrh Gum, select, 200 lb cs	Db	.25	.25	Capdeum, Bombay, bags	Db	.11%	.12
Lupulin, N. F. tins	Db	1.75	1.80	Sors, cases	Db	.20	.24	Peppermint leaves, imp, bales	Db	.25	.25
Rands, No. 1 cases	Db	1.00	1.05	OUTGALLS, Chinese, bags	Db	.17	.18	Domestic leaf	Db	.25	.25
Ispodum, 88 lb cs	Db	1.00	1.10	Alepp, bags	Db	.20	.22	Herb bis	Db	.18	.30
WAGE, Slaw, No 1	Db	1.05	1.08	Nutmegs, 110s cases	Db	.54	.54%	Peru Balsam, see Balsams	Db		
Banda, No. 1 cases	Db	1.05	1.10	75s, 80s, cases	Db	.55	.56	Pichl. Leaves, bags	Db	.16	.18
Batavia, No. 2, cases	Db	.88	.90	Grinding, bags	Db	.48%	.49	Pimento Select, bags	Db	.11%	.11%
West India, cases	Db	.89	.90	Nux-Vomica Buttons, bags	Db	.05	.06	Pink root, true bags	Db	.67	.75
Mala Flowers, blue bales	Db	.32	.40	Powdered, 200 lb bbls	Db	.07%	.10	Pitch, Burgundy, see Burgundy Pitch	Db		
Black, bales	Db	.60	.70	OAK BARK, red bags	Db	.05	.08	Plantain Leaves, bales	Db		.13
Mamea Root, bales	Db	.16	.20	White, bags	Db	.06	.07	Plurisy Root, bags	Db		.19
Manna, large flake, cases	Db	.62	.70	Oilbenum Gum, Sift 280 lb cases	Db	.10%	.12	Poke Berries, bags	Db	.15	.17
Small flake, cases	Db	.42	.45	Tears, 280 lb cases	Db			root	Db	.09	.10
Sors, cases	Db	.30	.30	No. 1 all white 280 lb	Db	.22	.23	Pomegranate Bark, of root bags	Db		.25
Mandrake Root, bags	Db	.11	.14	cases	Db	.12	.14	Of Fruit, bags	Db	.23	.25
Marjoram Leaves, German bales	Db	.45	.48	No. 2 280 lb cases	Db	12.00	13.00	Of Tree	Db	.60	.65
African, bales	Db			Optum, gum, USP, cases	Db	13.00	14.00	Poppy Flowers, red bags	Db		.45
				Granular, cans	Db			Head	Db		

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Poppy Seed, Dutch bags ..... D	.10	: .10½	Savory Leaves, bales ..... D	.08½	: .09½	Spruce Gum, boxes ..... D	1.00	: 1.50
German, bags ..... D	.09½	: .10	Saw Palmetto Berries, bags ..... D	.40	: .45	Squaw Vine, bales ..... D	.16½	: .19
Turkish, bags ..... D	.09	: .09½	Scammony Resin, boxes ..... D	1.35	: 1.50	Squills, white ..... D	.05	: .05½
Blue Indian, bags ..... D	.08½	: .09	Root bags ..... D	.08½	: .09	Powdered bulk ..... D	.12	: .15
White Indian, bags ..... D	.08	: .08½	Senega Root, bags ..... D	.65	: .70	Stavesacre Seed, bags ..... D	.40	: .41
Prickly Ash Bark, Southern, bags D	.19	: .20	SENNA, Alex 150 lb cases ..... D	.22	: .23	Sticklac, 250 lb bales ..... D	.35	: .40
Northern bags ..... D	.14	: .15	Half Leaf, 150 lb cases ..... D	.13	: .15	Stillinga Root, bags ..... D	.09½	: .12
Berries, bags ..... D	.12	: .14	Siftings, 400 lb bales ..... D	.09	: .11	Stone Root, bags ..... D	.09	: .10
Prince's Pine, bales ..... D	.20	: .25	Powdered, 200 lb bbls ..... D	.13	: .14	St. Ignatius Beans, bags ..... D	.13	: .14
Palustria Herb, bags ..... D	.12	: .13	Tinnerelly, Bold, 350 lb bbls ..... D	.14	: .17	St. John's Bread bags ..... D	.06	: .07
Pumpkin Seed, bags ..... D	.18	: .20	Medium Leaf ..... D	.11	: .14	Stramonium Leaves, bales ..... D	.12	: .14
QUASSIA CHIPS, bags ..... D	.07	: .07½	Small Leaf ..... D	.07½	: .11	Seed bags ..... D	.10	: .11
Queen of the Meadow Herb, bags D	...	: .06	Powdered, 200 lb bbls ..... D	.09½	: .11	Strophanthus Seed, Hispidus ..... D	...	: nom
Quince Seed, bags ..... D	.80	: .85	Pols, 350 lb bales ..... D	.14	: .17	Kombe bags ..... D	...	: nom
RAPE SEED, South Amer. bags D	.08½	: .07	Serpentaria Root, bags ..... D	.78	: .85	Styrax, liquid artif. ..... D	.35	: .40
Dutch, bags ..... D	.07	: .07½	Shellac, D. C. bags ..... D	.73	: .75	Gen. USP ..... D	.45	: .60
Japanese, small, bags ..... D	.07½	: .08	V.S.O. bags ..... D	.73	: .75	Sunflower Seed, domestic bags ..... D	.05½	: .06½
Raspberries, dried bbls ..... D	.56	: .65	Diamond I. bags ..... D	.73	: .75	South American, bags ..... D	.05	: .05½
Red Saunders ..... D	.08½	: .09	Superfine, Orange bags ..... D	.53	: .54	TAGALDER BARK, bags ..... D	.05	: .06
Rhatany Root bags ..... D	.10	: .12	T.N. bags ..... D	.50	: .51	Tamarinde, bbls ..... D	.05½	: .06
RHUBARB, Root, H.D. cases ..... D	.34	: .36	Garnet, A. C. ..... D	.51	: .52	Kops ..... per bag	2.75	: 3.80
Rosemary Leaves, bales ..... D	.07	: .08	nutton bags ..... D	.76	: .78	Tansy Herb, bales ..... D	.18	: .19
Rosemary Leaves, bales ..... D	.06½	: .07	Bone Dry, bbls ..... D	.58	: .62	Tar, Barbadoes, 50 gal bbls ..... D	1.40	: 1.45
Shipment ..... D	...	: .05	Sideritis Herb, cut bags ..... D	.15	: .18	Thus Gum, 280 lb bbls ..... D	.09½	: .10
Flowers, cases bales ..... D	.35	: .40	Simaruba Bark, bales ..... D	.08	: .09	Tilia, see Linden	...	: ...
Some Petals, pale ..... D	.27	: .30	Skullcap Leaves, Eastern bales ..... D	.48	: .50	Thyme, Spanish bales ..... D	.08½	: .09
Red ..... D	1.50	: 1.60	Western bales ..... D	.24	: .26	French, bales ..... D	.06½	: .09
See Herb, bales ..... D	.18	: .20	Skunk Cabbage Root, bales ..... D	.18	: .16	Tolu Balsam, see Balsam	...	: ...
SABADILLA SEED, bags ..... D	.20	: .25	Snake Root, Canada, natural bags D	.32	: .35	Tonga Bark, bags ..... D	...	: nom
Powder, bbls ..... D	.25	: .35	Stripped bags ..... D	.65	: .70	Root his ..... D	...	: nom
Saffron Flowers, Amer. Bales ..... D	.50	: .55	SOAP BARK, whole, 150-200 lb	...	: .12	Vine his ..... D	.75	: .80
Valencia, 1 lb cans ..... D	30.00	: 31.00	bales ..... D	.10	: .12	Tonka Beans, Angostura, cases ..... D	2.00	: 2.10
Bags, Dalmatian, bales ..... D	.04½	: .05½	Cut, 125-175 lb bags ..... D	.09½	: .10½	Para, cases ..... D	.85	: .90
Greek, bales ..... D	.02½	: .03½	Crushed, 200 lb bbls ..... D	...	: .11½	Surinam, cases ..... D	.85	: .90
Spanish, bales ..... D	.08	: .09½	Spearment Leaves, American bales D	.25	: .27	Tragacath Gum, No. 1 ribbon	...	: ...
Sandalwood, chips, bags ..... D	.16	: .19	Spermaceti, blocks, cakes cases D	.38	: .42	100 lb cs ..... D	...	: 1.50
Ground, bags ..... D	.21	: .42	Spikenard Root, bags ..... D	.17	: .19	No. 2 ..... D	1.15	: 1.30
Sandarc Gum, 300 lb bbls ..... D	.41	: .42	...	...	...	Powdered, 50 lb boxes ..... D	.87	: .93
Sarsaparilla Root, Honduras, bales D	.67	: .70	...	...	...	Turkish, cases ..... D	.45	: .85
Mexican ..... D	.24	: .26	...	...	...	...	...	...
Sassafras Bark, ordinary bales ..... D	.15	: .17	...	...	...	...	...	...
Select, bales ..... D	.27	: .30	...	...	...	...	...	...

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GRASSE (FRANCE)

MARIO DE PASQUALE  
NESSINA (ITALY)D.M. BAKARDJIEV  
KARLOVO (BULGARIA)

## Essential Oils

1.50  
.19  
.05%  
.15  
.41  
.40  
.12  
.10  
.14  
.07  
.14  
.11  
nom  
.60  
.06%  
.06%  
.08  
.06  
3.88  
.19  
1.45  
.10  
.09  
.09  
nom  
nom  
.80  
2.10  
.90  
.90  
1.50  
1.30  
.95  
.85

Turmeric Root, Madras bags	..D	.09	: .09%
Alsepy bags	..D	.09	: .09%
Forwarded	..D	.13%	: .14
China, bags	..D	.09	: .09%
Turpentine, Venice true 80 lb cs	..D	.26	: .27
Artificial, 80 lb cases	..D	.11	: .13
Spirits, see Naval Stores			
WICORN ROOT, false, see Helonias			
True, see Alectria			
On Urd Leaves, bales	..D	.05	: .05%
VALERIAN ROOT, Belgian bags	..D	.30	: .35
Vanilla Beans Mex, whole cases	..D	8.00	: 9.50
Cuba, cases	..D	7.00	: 8.00
Bourbon, cases	..D	4.00	: 7.00
South American, cases	..D	..	: 6.50
Tahiti, yellow label cases	..D	3.25	: 3.50
Green Label, cases	..D	..	: ..
Vaterrut Root, 100 lb bags	..D	.25	: .26
tolet Flowers, bags	..D	.83	: .95
WANGO BARK, of root bags	..D	.72	: .73
Of Tree, bags	..D	.80	: .82
White Pine Bark, rosed, bags	..D	.07%	: .08
White Poplar Bark, bags	..D	.06	: .07
Wild Cherry Bark, thin green			
Rosed, bales	..D	.13%	: .14
Thick Rosed, bales	..D	.07	: .09
Thin Natural, bales	..D	.09	: .09%
Thick Natural, bales	..D	.10	: .11
Willow bark, bags	..D	..	: .06
White, bags	..D	..	: .15
Witch Hazel Bark, bgs	..D	.07%	: .09
Leaves, bales	..D	.08%	: .08
Worm Seed, American, bags	..D	.08	: .08%
Lerant, bags	..D	3.00	: 3.25
Wormwood Herb, imported bales	..D	..	: .10
Gees Gum, red	..D	.04	: .04%
Ground	..D	.05%	: .06%
Yellow Root (Zanthoxis) bgs	..D	.16	: .17
YELLOW DOCK ROOT, bags	..D	.13	: .14
Yellow Parilla Root, bags	..D	.16	: .17
Yers Santa, bags	..D	.10	: .11
Zedary Root, bags	..D	.11	: .13

## Essential Oils

Almond, Bitter, USP, 5 lb bot	..D	3.00	: 3.25
Bitter ff PA 5 lb bots	..D	3.15	: 3.35
Sweet, 56 lb cans	..D	.85	: 1.00
Apricot, Kernel, 50 lb cans	..D	.58	: .60
Amber, crude, 25 lb tins	..D	.50	: .55
Rectified, 25 lb tins	..D	.75	: .82
Angelica Root, 1 lb bot	..D	25.00	: 35.00
Anise Tech, 66 lb case	..D	.70	: .73
USP, 60 lb cans	..D	.73	: .75
Bay, 25 lb tins	..D	2.15	: 2.25
Terpenes	..D	6.00	: 6.50
Bergamot, 25 lb coppers	..D	5.50	: 6.00
Terpenes	..D	10.00	: 14.00
Artificial, 25 lb cans	..D	2.00	: 2.20
Birch Tar, rect. 5 lb bot	..D	.50	: .60
Crude, 50 lb tins	..D	.20	: .25
Bois de Rose, tins	..D	3.25	: 3.50
Cade, 25 lb cans	..D	.30	: .35
Cajuput, native, 50 lb tins	..D	.75	: .80
Calamus, 5 lb bot	..D	3.75	: 4.00
Campor, Sassy 1000 lb drs	..D	..	: .14%
White, 1000 lb drs	..D	.11%	: .12
Cann, 50 lbs	..D	.14	: .14%
Cananga, native, 25 tins	..D	2.30	: 2.40
Rectified, 25 lb tins	..D	2.75	: 3.00
Caraway, USP	..D	1.65	: 1.75
Cardamom, USP, 1 lb bot	..D	60.00	: 70.00
Carrol, 5 lb bot	..D	3.75	: 9.75
Cascarilla, USP, 1 lb bot	..D	50.00	: 52.00
CASSIA, 80-85%, 400 lb	..D	2.25	: 2.50
Redistilled USP, 50 lb cans	..D	2.90	: 3.10
Cedar Leaf, 50 lb tins	..D	.80	: .90
Cedar Wood, light 1000 lb drs	..D	.55	: .60
Celery, 1 lb bot	..D	9.50	: 10.00
Chaulmoogra, 80 lb cases	..D	.85	: .90
Cinnamon, Ceylon, 1 lb bot	..D	10.50	: 11.00
Leaf, 5 lb bot	..D	1.40	: 1.50

## CITRONELLA, Ceylon

1000 lb drums	..D	.48	: .52
50 lb tins	..D	.51	: .54
Java, 400 lb drums	..D	.85	: .95
50 lb tins	..D	.90	: 1.00
Cloves, USP, 50 lb cans	..D	1.90	: 2.00
6 lb bot	..D	1.95	: 2.10
Copaiba	..D	.47%	: .50
Coriander, USP, 1 lb bot	..D	9.25	: 9.75
Croton, USP, 25 lb tins	..D	.90	: 1.00
Cubeba, USP, 5 lb bot	..D	4.50	: 4.75
Cumin, 1 lb bot	..D	10.50	: 11.00
Dill, 25 lb cans	..D	3.75	: 4.00
Erigeron 20 lb tins	..D	4.00	: 4.25
EUCALYPTUS, Austl. USP,			
50 lb	..D	.57	: .58
500 lb drums	..D	.55	: .56
Fennel, USP, 25 lb tins	..D	.80	: .85
Geranium, Africa, 25 lb cans	..D	5.25	: 6.00
Bourbon, 25 lb tins	..D	4.00	: 4.25
Turkish, 25 lb tins	..D	3.75	: 4.00
Ginger, 1 lb bot	..D	10.00	: 11.00
Gerogras, 25 lb tins	..D	2.50	: 2.75
Hemlock, 25 lb tins	..D	.82	: .85
Juniper Berries, USP, 25 lb tins	..D	2.25	: 2.50
Wood, 50 lb tins	..D	.50	: .60
Lavender USP, 25 lb cans	..D	5.25	: 5.75
Spike, Spanish, 50 lb cans	..D	1.10	: 1.50
LEMON, Ital USP, 25 lb cans	..D	1.95	: 2.25
Terpenes	..D	8.00	: 10.00
American, USP, 25 cans	..D	1.90	: 2.00
Lemongras, native 50 lb cans	..D	1.10	: 1.20
Limes, Express, 25 lb tins	..D	4.75	: 5.25
Distilled, 25 lb tins	..D	2.30	: 2.50
Linaloe Mex, 80 lb cases	..D	3.25	: 3.50
Mace, distilled, 50 lb tins	..D	1.50	: 1.60
Mirbane, ref. see Ar. Chemicals			
Mustard, USP, 1 lb bot	..D	14.00	: 14.25
Artif, USP, 5 lb bot	..D	2.10	: 2.25
Neroli, Bigarde 1/2 & 1 lb bot	..D	75.00	: 100.00
Petale, 1 lb bot	..D	100.00	: 125.00
Artificial, 1 lb bot	..D	10.90	: 20.00

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## Essential Oils

Nutmeg, USP, 25 lb tins ..... D	1.50	: 1.60	Vetiver, Bourbon, 1 lb bot .... D	14.00	: 16.00	Linalool, 5 lb bot ..... D	6.00	: 6.25
Orange, bitter, 25 lb tins ..... D	2.65	: 2.75	Indian, 1 lb bot ..... D	30.00	: 40.00	From Bois de Rose, 5 lb bot. . D	7.00	: 7.25
Sweet W Ind, 25 lb tins ..... D	2.55	: 2.75	Java, 1 lb bot ..... D	20.00	: 22.00	MENTHOL, 60 lb cases ..... D	10.25	: 10.50
Italian, 25 lb cop ..... D	2.75	: 3.00	Wine, heavy, 1 lb bot ..... D	...	: 1.50	less cases, 5 lb cans D	10.50	: 11.00
American, 25 lb tins ..... D	2.75	: 3.00	WINTERGREEN			Rhodinol, 1 lb bot ..... D	16.00	: 20.00
Distilled, 25 lb tins ..... D	1.70	: 1.75	Sweet beh., 25 lb tins ..... D	2.50	: 3.00	Extra, 1 lb bot ..... D	35.00	: 42.00
Spanish 25 lb tins ..... D	2.75	: 3.00	Southern, 25 lb tins ..... D	1.85	: 2.00	SAFROL, drums ..... D	.31	: .32
Origanum, 50 lb cans tech. .... D	.25	: .28	Gaultheria, true 25 lb tins . D	7.00	: 8.00	60 lb cans ..... D	.33	: .34
Carley, 1 lb bot ..... D	3.50	: 3.60	Southern, 25 lb tins ..... D	3.75	: 4.00	Thymol, USP, 25 lb tins ..... D	3.90	: 4.10
Patchouli, 5 lb bot ..... D	4.50	: 5.00	Synthetic, see Methyl Salicylate			SYNTHETIC AROMATICS		
Pennyroyal, dom., 25 lb tins . D	2.10	: 2.25	Wormseed, Salt USP, 25 lb tins D	4.75	: 5.00	Acetophenone, CP 1 lb bot .... D	3.50	: 3.75
Imported, 25 lb tins ..... D	2.00	: 2.25	Wormwood, dom., 25 lb tins . D	4.25	: 4.50	Aldehyde, C-8 (Octyl) 1 lb bot. . D	45.00	: 60.00
PEPPERMINT nat 60 lb cases. . D	16.00	: 17.00	Ylang Ylang, Bourbon, 10 lb tins			C-8 (Nonyl), 1 lb bot ..... D	70.00	: 75.00
Rodis, USP, 60 lb cases D	17.00	: 18.00	No 1 ..... D	9.00	: 10.00	C-10 (Decyl), 1 lb bot ..... D	50.00	: 58.00
Petit Grain, S.A. 25 lb tins. . D	2.25	: 2.30	No. 2 ..... D	6.00	: 7.00	C-12 (Dodecyl), 1 lb bot . D	27.50	: 32.50
French, 1 lb bot ..... D	6.50	: 7.00	Mandla, 1 lb bot ..... D	35.00	: 40.00	C-14, 1 lb bot ..... D	22.50	: 25.00
Italian, 25 lb tins ..... D	2.30	: 2.30	OLEORESINS			C-16, 1 lb bot ..... D	70.00	: 80.00
Pimento, 25 lb tins ..... D	4.50	: 5.00	Aspidium, USP, 1 lb bot ..... D	2.00	: 2.25	Aubepine, see Anisic Aldehyde		
Pinus Sylvestris 25 lb tins ..... D	.85	: 1.25	Capicum, USP, 1 lb bot ..... D	2.00	: 2.25	Amyl Acetate, pure 5 gal cans. gal	4.75	: 5.50
Pumilio, USP, 25 lb tins ..... D	2.25	: 2.50	Cubeb, USP, 1 lb bot ..... D	4.00	: 4.50	Butyrate, 1 lb bot ..... D	1.90	: 2.00
Root, Fr. 8, 16, 432 oz pkgs. . cs	9.00	: 9.50	Ginger, 5 lb bot ..... D	3.25	: 3.50	Cinnamate, 1 lb bot ..... D	4.00	: 4.50
Bulg., 8, 16 & 32 oz pkgs. . D	9.50	: 11.00	Malefern. See Aspidium			Formate, 1 lb bot ..... D	1.75	: 2.00
Artificial, 1 lb bot ..... D	2.00	: 2.75	Orrie, 1 lb bot ..... D	15.00	: 18.00	Phenyl Acetate, 1 lb bot. .... D	4.50	: 5.00
Rosemary, USP, 27 1/4 lb tins . D	.47 1/4	: .52 1/4	Pepper, black USP, 1 lb bot ... D	3.50	: 3.75	SALICYLATE, dom. 100 lb		
1000 drums ..... D	.45	: .47	Vanilla, 1 lb bot ..... D	16.50	: 22.00	chys ..... D	1.45	: 1.50
Tech. 27 1/4 lb tins ..... D	.37 1/4	: .38				Imported ..... D	2.25	: 2.50
Ros, 1 lb bot ..... D	...	: 4.00				Valerate, 5 lb bot ..... D	2.75	: 3.00
Sandalwood, E. Ind. USP, 75 lb						Anisic Aldehyde, 1 lb bot .... D	3.00	: 3.25
cases ..... D	7.00	: 7.10				BENZALDEHYDE, USP, 40 lb chys D	1.30	: 1.40
W. Indian (Amayria) 25 lb tins D	2.25	: 2.35				FFC, 40 lb chys ..... D	1.40	: 1.50
Sassafras, USP, 50 lb cans ..... D	.80	: .90				Imported, USP, ..... D	1.10	: 1.25
Artificial, 1000 lb drs. 60 lb cans D	.27	: .30				Benzole Ether, See Ethyl Benzate		
Ravin, 50 lb tins ..... D	2.15	: 2.25				Benzophenone 1 lb bot. .... D	4.50	: 5.00
Spearmint USP, 60 lb cases . D	11.00	: 12.00				Alcohol, 5 lb bot ..... D	1.35	: 1.50
Spruce, 50 lb tins ..... D	.82	: .85				Alcohol, 5 lb bot ..... D	1.45	: 1.50
Tansy, Amer., 20 lb tins ..... D	4.50	: 4.75				BENZOATE 5 lb bot ..... D	1.35	: 1.40
Tar, 50 gal bbls ..... gal	.25	: .30				Medicinal FFC ..... D	1.45	: 1.60
Redwood, USP, 25 lb tins ..... D						Butyrate, C.P., 1 lb bot ..... D	6.00	: 6.50
Thyme, red, USP, 25 lb tins . D	.80	: .85				Cinnamate 1 lb bot ..... D	9.75	: 10.00
White, USP, 25 lb tins ..... D	.95	: 1.00				Formate, 1 lb bot ..... D	3.25	: 3.50
Tech, 110 lb drums ..... D	.65	: .70						

### Aromatic Chemicals

#### NATURAL DERIVATIVES

Anethol, 3 lb bot ..... D	1.00	: 1.25
Barnool, 1 lb bot ..... D	2.50	: 3.00
CITRAL, 250 cans ..... D	2.75	: 3.00
Citrocellal 1 lb bot ..... D	2.50	: 3.00
EUCALYPTOL, USP, 50 lb cans. D	.90	: .95
Eugenol, USP, 25 lb cans ..... D	3.75	: 3.00
Geraniol, Domestic, 50 lb cans. D	2.50	: 3.00
Imported, 5 lb bot ..... D	2.75	: 3.25
Iso-Eugenol, 1 lb bot ..... D	3.75	: 3.90
Imported ..... D	3.75	: 3.90

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## Aromatic Chemicals

Benzyl Propionate, 1 lb bot	5.00	5.25
Benzyl Acetate, 1 lb bot	3.25	3.50
Bromostyrol, 25 lb cases	3.75	4.25
Anthranilate, 1 lb bot dom		16.00
Ether, See Ethyl Butyrate		
Cinnamic Acid, 5 lb cans	2.90	3.25
Alcohol, liquid 1 lb bot	6.00	7.00
Crystallizable	7.00	8.00
Aldehyde	3.00	3.25
CITRONELLOL, 1 lb bot	7.50	9.00
Imported 1 lb bot	7.75	9.00
Ethyl Acetate, 1 lb bot	13.00	14.00
CUMARIN, 25 lb cans	3.10	3.25
DIETHYL PHTHALATE, See Chemicals		
naphthyl, 25 lb tins	.75	.90
Ethyl Acetate, pure, 5 lb bot	.45	.50
Benzoate, 5 lb bot	1.75	1.90
Butyrate, 5 lb bot	1.90	2.10
Caproate, 1 lb bot	3.25	3.50
Cinnamate, 1 lb bot	3.50	3.75
Formate, 5 lb bot	.90	1.25
Methyl-methyl Paracresol, 1 lb bot	3.25	3.50
Acetyl Phenylacetate, 5 lb bot	3.75	4.00
Propionate, 1 lb bot	1.75	2.00
Valerate, 5 lb bot		3.75
Valleyate, 5 lb bot	2.00	2.10
Vermic Ether, See Ethyl Formate		
Geranyl Acetate, 1 lb bot	4.50	5.00
Butyrate, 1 lb bot	13.00	13.50
Formate, 1 lb bot	12.00	12.50
Heliotropin, dom, 100-1000s	1.85	2.00
Imported	2.00	2.25
Hydroxy citronellal, 1 lb bot	12.00	14.00
Indol, CP, 1 ea. bot	6.00	6.50
Iosens, 1 lb bot 100%	10.00	11.00
Alpha	14.50	16.00
Beta	12.75	14.50
Methyl	18.00	19.00
Iso-Butyl Benzoate, 5 lb bot	4.75	5.00

iso-Safrol, 1 lb bot imp	3.75	4.00
Domestic, 5 lb bot	3.50	3.75
Linalyl Acetate, 1 lb bot	8.00	9.50
Benzonate, 1 lb bot	13.00	14.00
Formate, 5 lb bot	10.50	12.00
Methyl Acetophenone	3.75	4.00
ANTHRANILATE dom. 1 lb bot	2.50	3.25
Imported	2.75	3.50
Benzoate, 5 lb bot import	1.90	2.00
Domestic, 5 lb bot	1.75	2.00
Cinnamate, 1 lb bot	3.75	4.25
Heptenone, 1 lb bot	8.00	8.50
Paracresol, 1 lb bot	8.00	9.00
Phenylacetate, 5 lb bot dom	3.75	4.00
SALICYLATE, USP 500 lb		
drums		.43
50 lb cases		.45
Second Hands		.43
Mirbane, rect. 1000 lb drums	1.10	1.12
Musk Ambrette, 1 lb cans	10.00	10.50
Ketone, 1 lb cans	11.50	12.00
Xylene, 5 lb cans	3.25	3.50
Nerolin, 1 lb cans	1.50	1.60
Geraniol Ether, 1 lb bot	1.75	2.00
Para-Cymene, Refd., 110 gal. drs gal	2.25	3.50
Phenylacetaldehyde, Dom.		
1 lb bot 50 p.e.	8.00	8.50
Imported, 50 p.e.	7.00	7.50
80-85 p.e.	14.00	16.00
Phenylacetic Acid, 1 lb bot	3.00	3.25
Phenyl Diacetate, 100 bot	3.25	3.50
1 lb bot	8.00	10.00
Imported	7.00	7.75
Phenylethyl Alcohol, 1 lb bot	6.00	7.00
Phenylethyl Butyrate, 1 lb bot	26.00	28.00
Formate, 1 lb bot	19.00	21.00
Propionate, 1 lb bot	20.00	24.00
Valerate, 1 lb bot	25.00	28.00
Phenylpropylalcohol, 1 lb bot	15.00	16.00
Stated, 1 ea. bot	7.00	7.25

Terpinyl Acetate 25 lb cans	1.25	1.50
Imported, 25 lb cans	1.25	1.35
TERPENEOL, CP, 1000 lb drs	.33	.37
Cans, 50 lb	.37	.40
Absolute, 25 lb cans	.50	.60
Imported, 25 lb cans	.40	.42
VANILLIN, USP, 500 oz cans		.44
Cans, 16 oz., 80 oz.	.45	.46
Second Hands	.40	.43
Valerianic Ether, See Ethyl Valerate		
Yara Yara, 1 lb cans	1.50	1.60
PERFUMERS' SUPPLIES		
Almond Meal, 25 lb cans	.24	.25
Amber, liquid, 400 lb drs	2.20	2.30
Ambergris, black, bxs	8.00	10.00
Ambergris, gray, bxs		26.00
Balsam Copaiba, Para, 80 lb cases	.42	.45
South American, 80 lb cases	.44	.47
Peru, 120 lb cases	1.80	1.90
Tolu, 90 lb cases	1.40	1.50
Benzoin Gum, Siam, bxs	1.30	1.35
Castoreum, 1 lb bot	3.75	4.00
Chalk, precip. light, 175 lb bbls	.04%	.05
Cherry Laurel Water, 5 gal cans gal	1.15	1.25
Civet Abyssin horns	2.10	2.25
Labdaum, 5 lb bot	7.50	8.00
Lanolin hydrous, 350 lb bbls	.15	.21
Anhydrous, 350 lb bbls	.18	.23
Musk pods, Cabardine, tins	16.00	17.00
Tonquin, tins	22.00	23.00
Grains. Cabardine, tins	25.00	26.00
Tonquin, tins	34.00	35.00
Synthetic, See Aromatic Chemicals		
Orris Rt. Flor., powd bbls	.12	.13
Verona, powd bbls	.10	.11
Petrolatum, snow white 350 lb bbls	.12%	.14
Light Amber, 350 lb bbls	.04%	.05%
Rice Starch, 140 lb bgs	.09	.10
Rose Water, 6 2-3 gal cys	1.00	1.20
Sandalwood chips, powd., bags	.30	.35
Saponin, 5 lb tins	1.15	1.30
Talc, Italian, 220 lb bgs	60.00	60.00
French, 220 lb bags	40.00	45.00
Domestic, ref., 100 lb bags	14.00	15.00



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Imports at New York, Sept. 19 to Sept. 25

**ACIDS**—Boric, 200 bgs., Pacific Coast Borax Co., Leghorn; Citric, 160 brls., Order, Messina; Cresylic, 12 drs., Panama Pacific Line, Liverpool; Stearic, 185 bgs., Lunham & Reeve, Rotterdam; Tartaric, 125 kegs, W. Benkert & Co., Rotterdam; 879 kegs, 50 brls., Order, Rotterdam; 200 brls., Superfos Co., Bari; 200 kegs, Superfos Co., Genoa.

**ALBUMEN**—Egg, 63 cs., Wah Chang Trdg. Corp., Shanghai; 70 cs., Henningsen Bros., Shanghai; 65 cans, Balfour Williamson & Co., Shanghai; 359 cs., Jardine Matheson & Co., Shanghai; 56 cs., A. W. Olsen, Inc., Shanghai; Dried Egg, 55 cases, S. W. Bridges & Co., Shanghai; Lactic Solution, 16 cs., H. A. Metz, Hamburg.

**ALCOHOL**—Denatured, 300 brls., C. Estevas, Areibo.

**ALOES**—70 cs., Selma Merc Corp., Curacao; 10 cs., Order, Curacao.

**ALUMINA SULFATE**, 180 bgs., Meteor Products Co., Rotterdam.

**AMMONIUM**—Carbonate, 40 cks., H. Hinrichs Chem Corp., Rotterdam; Chloride, 10 cs., Wing & Evans, Hamburg; 70 cks., Order, Rotterdam; Muriate, 100 cks., Kuttroff Pickhardt Co., Rotterdam; Sulfatholium, 23 cs., Order, Hamburg.

**ANTIMONY**—Oxide, 150 bgs., Wah Chang Trdg. Corp., Shanghai; Regulus, 250 cs., F. A. Cundill & Co., Shanghai; 500 cs., Order, Hamburg.

**ARGOLS**—21 cs., Tartar Chem Works, Naples; 30 cks., Tartar Chem Works, Genoa; 318 bgs., Tartar Chem Works, Buenos Aires.

**ARSENIC**—50 cks., A. Klipstein & Co., Hamburg.

**BARIUM**—Chloride, 145 cks., Roessler & Hasslacher Chem Co., Hamburg; Nitrate, 43 brls., Roessler & Hasslacher Chem Co., Hamburg.

**BARK**—30 bls., Hudson Fwdg. & Shpg Co.,

Trieste; Quebracho, 6 cs., H. K. Mulford Co., Buenos Aires.

**BARYTES**—100 bgs., 20 brls., Order, Genoa.

**BENZOL**—3 cs., Amer Kreuger & Toll Corp., Hamburg.

**BERRIES**—Juniper, 100 bgs., Peek & Velsor, Trieste.

**BISMUTH METAL**—11 cs., Merck & Co., London.

**BLANK FIXE**—34 kegs, Order, Bremerhaven.

**BONE-PHOSPHATE**, 50 bgs., H. A. Sinclair, Rotterdam.

**CALCIUM**—Copper, 1 keg, F. B. Vandegrift & Co., Liverpool.

**CARBOLIC**—Solid, 100 kegs, Monsanto Chem Works, Liverpool.

**CARBON**—Decolorizing, 220 bgs., L. A. Salomon & Bro., Rotterdam.

**CASEIN**—534 bgs., Order, Buenos Aires; 417 bgs., Tradescen Nat Bank, Buenos Aires; 1,334 bgs., Bank of N. Y. & Trust Co., Buenos Aires; 250 bgs., Nat City Bank, Buenos Aires; 261 bgs., Order, Hamburg.

**CHALK**—112 bgs., Chem Nat Bank, Southampton; 55 bgs., Order, Southampton; 1,700 bgs., Nat City Bank, Antwerp; 540 tons, Taintor Trdg Co., Dunkirk; 1,000 bgs., Order, Antwerp; Precipitated, 375 pgs., H. J. Baker & Bros., Bristol; 15 cks., Schieffelin & Co., Bristol.

**CHEMICALS**—86 cks., 300 bgs., P. Uhlich & Co., Rotterdam; 17 cs., R. W. Greeff & Co., Rotterdam; 178 bgs., Brown Bros & Co, Havre; 28 cks., Order, Havre; 100 cks., A. Klipstein & Co., Bremen; 6 cs., Mallinckrodt Chem Works, Bremen; 68 brls., 6 cs., Pfaltz & Bauer, Hamburg; 34 cs., Order, Hamburg; 126 cks., Fuch Bros, London; 19 cks., Jungmann & Company, Hamburg; 119 cakes, 50 bags, A. Klipstein & Company, Hamburg; 150 cakes, Roessler & Chaplin & Bibbo, Rotterdam; Preparations,

1 case, General Dyestuff Corporation, Rotterdam; Products, 71 pgs., H. A. Metz, Rotterdam; 442 cans, South American Trust Co., Havre.

**CHRYSANTHEMUM**—146 bls., Western Drug Importers, Trieste.

**CLAY**—300 cks., Chatlam & Phenix Nat Bank, Rotterdam; 100 cks., Vesuvius Crucible Co., Rotterdam; 210 cks., H. A. Robinson & Co., London; China, 25 cks., C. T. Wilson & Co., Bristol; 200 bgs., Order, Bristol.

**COAL TAR DISTILLATE**—20 drs., Monsanto Chem Works, Liverpool; 133 drs., Order, Liverpool.

**COBALT SULFATE**—12 brls., Ruessler & Hasslacher Chem Co., Hamburg.

**COCHINEAL**—15 bgs., Order, Liverpool; 10 bgs., Amer Trdg Co., Havre.

**COLORS**—3 cks., General Dyestuff Corp., Rotterdam; 17 cks., Co or Service Corp., Rotterdam; 54 pgs., Kuttroff Pickhardt & Co., Rotterdam; 8 brls., Chem Nat Bank, Antwerp; 2 brls., Bank of Manhattan Co., Antwerp; 2 brls., 10 cks., Irving Brnk, Antwerp; 2 cs., B. F. Drakenfeld, Havre; 11 cks., Carbic Color & Chem Co., Havre; 29 cks., Fuchs & Lang Mig Co., Bremerhaven; 10 brls., Carbic Color & Chem Co., Havre; 30 brls., Ciba Co., Havre; 5 cks., J. C. Robbold & Co., Hamburg; 4 cks., 1 cse., Franklin Imp. & Export Co., Hamburg; 41 cks., S. Ullmann Co., Hamburg; 81 cks., Grasselli Dyestuff Corp., Rotterdam; Bronze, 3 cs., Gallagher & Ascher, Hamburg; 7 cs., Amer Exp Co., Bremen; 10 cs., J. E. Mandlik, Hamburg; 14 cs., Gerstendorfer Bros., Bremen; 41 cs., Baer Bros., Bremerhaven; Coal Tar, 2 cks., Franklin Import Co., Hamburg; 44 cks., General Dyestuff Corp., Rotterdam; Earth, 43 cks., Hummel & Robinson, Rotterdam; 46 cks., Fezandie & Sperrle, Bremen; 20 cks., Reichard Coulston, Hamburg; 106

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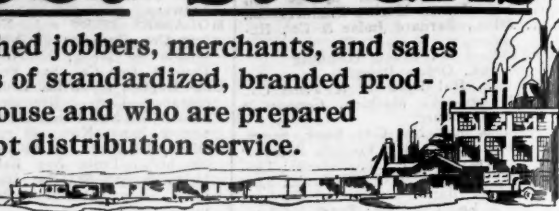
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- DICHLORMETHANE**—30 drs., Roessler & Hasslacher Chem Co., Hamburg
- DIMETHYLPHTHALATE**—3 demijons, Kuttroff Pickhardt & Co., Rotterdam
- DRUGS**—5 cs., Burroughs Wellcome & Co., Southampton; 7 bgs., Order, Hamburg; 10 bla., McLaughlin Gormley & King, Havre
- EARTH**—210 pgs., G. Z. Collins & Co., Bristol; 27 cks., Order, Bristol; 212 cks., Reichard & Chalmers, Lehigh; Infusorial, 200 bgs., Nat City Bank, Oran; 298 bgs., Order, Oran
- ETHYL CHLORIDE**—12 cs., Hensel Bruckmann & Lorchner, Hamburg
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- FLOWERS**—110 cts., H. Weezenaar Jr., Hamburg
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- GLYCERIN**—20 drs., Order, Antwerp; 10 drs., Brown Bros. & Co., Antwerp; 61 drs., Marx & Rawolle, Havana; 51 drs., Order, Marseilles; 102 drs., Order, Rotterdam
- GUMS**—262 bgs., Standard Bank of So. Africa, Singapore; 94 bgs., 10 cs., Brown Bros. & Co., Singapore; 64 bgs., African & Eastern Trdg Corp., Singapore; Arabic, 514 bgs., Order, Southampton; Benzoin, 55 cs., Nat City Bank, Singapore; Chiclé, 300 bgs., Chiclé Development Co., Belize; Copal, 108 bgs., Chem Nat Bank, Antwerp; 240 bgs., A. Klipstein & Co., Antwerp; 654 bgs., S. Winterbourne & Co., Antwerp; 38 bgs., Order, Antwerp; 184 bkts., Irving Bank, Macassar; 376 bgs., 1,209 bkts., Innes & Co., Macassar; 372 bkts., Gravenhorst & Co., Macassar; 206 bkts., Kidder Peabody Acceptance Corp., Macassar; 73 bkts., Paterson Boardmann & Knapp, Macassar; 348 bkts., 123 bgs., S. Winterbourne, Macassar; 218 bkts., France Campbell & Darling, Macassar; 146 bkts., 225 bgs., M. L. Van Norden, Macassar; 25 bkts., Order, Macassar; 486 bkts., 84 bgs., 3 cs., Order, Macassar; Damar, 100 cs., Bank of America, Batavia; 200 cs., W. Scheel Co., Sourabaya; Elemi, 34 cs., A. Klipstein & Co., Manila; 127 cs., Kidder Peabody Acceptance Co., Manila; Karaya, 131 bgs., Intern Banking Corp., Southampton; Tragacanth, 16 cs., Order, Southampton; 20 cs., W. Mohrmann Inc., Southampton; 5 cs., Brown Bros. & Co., London; Yacca, 363 bgs., Baring Bros. & Co., Port Adelaide; 292 bgs., Brown Bros. & Co., Port Adelaide; 1,367 bgs., Order, Port Adelaide
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- LITHOPONE**—2,000 cks., B. Moore & Co., Rotterdam
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- ROOTS**—10 bls., M. Testow, Antwerp; Arrow, 10 cs., Crosse & Blackwell, London; Orris 51 bgs., J. Munroe & Co., Leghorn; 51 bla., 74 bgs., Order, Leghorn; Sarsaparilla, 15 bls., Eggers & Heinlein, Tels
- SAL AMMONIAC**—20 pgs., C. De P. Field & Co., Bristol
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## Bids and Proposals

**FORMALDEHYDE**—Sealed Bids are wanted October 8 by the commanding officer, Picatinny Arsenal, N. J., cir. 3706, for 650 lbs. formaldehyde.  
Sched. 431, 142,000 lbs., titanium tetrachloride, opening of October 6.

The general purchasing officer, the Panama Canal, Washington, will open bids October 1 under cir. 2395, for 200 gals cutting oil, 200 gals sperm oil, 60 gals castor oil, 500 gals grease, 10,000 gals ethyl alcohol, 1,000 lbs upper sulphate.

THE U. S. Mississippi River Commission, 1st and 2d districts, Memphis, Tenn. will open bids September 25, for 1,000 lbs dry red lead, 50 gals boiled linseed oil, 6,000 lbs pitch and 750 lbs tallow.

THE general purchasing officer, the Panama Canal, Washington will open bids October 9, cir. 1697, for ferro silicon, powdered graphite, turpentine, linseed oil, petroleum spirits, lard oil, burning oil, benzene, quicklime, tar, creosote oil, alcohol.

THE U. S. engineer, New Orleans, will open bids September 23, 100 lbs bicarbonate of soda, 5 gals sulphuric acid, 24 bots do.

**ALUM**—The quartermaster, Marine Corps, Washington, will open bids September 24, sched. 168, for 40,000 lbs lump alum.

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## Index to Advertisers

Alsop Engineering Co. ....	878
American British Chemical Supplies, Inc. ....	893
American Cyanamid Co. ....	1003
American Trona Corp. ....	1035
Arkell Safety Bag Co. ....	900
Arnold Hoffman & Co. ....	953
Atkins & Co., E. ....	1026
B. & W. Co. ....	857
Baird & McGuire ....	1020
Barlow, Joe ....	1033
Barrett Co., The ....	1019
Bemis Bro. Bag Co. ....	756
Benkert & Co., W. ....	1036
Benner Chemical Co. ....	1032
Berg Industrial Alcohol Co., David ....	1035
Bromund Co., E. A. ....	1021
Bush, Burton T. ....	3rd Cover
Cabot, Godfrey L. ....	1011
Calco Chemical Co. ....	1st Cover
Campbell & Co., John ....	942
Capes Viscose ....	976
Carbide & Carbon Chemical Corp. ....	1008
Carlton A. S. ....	1034
Carus Chemical Co. ....	1023
Chemical Utilities Co. ....	1033
Chemical Works "Naarden" ....	1029
Church & Dwight ....	1020
Clegg Chemical Co. ....	807
Clevelands-Cliff Co., The ....	1027
Clifton Chemical Co. ....	1038
Coignet Chemical Products Co. ....	1013
Commercial Solvents Co. ....	1003
Compagnie Duval ....	1024
Consolidated Products Co. ....	1034
Consumers Chemical Co. ....	1033
Cooper & Co., Charles ....	1003
Coyne Chem. Co. Geo. S. ....	1033
Crepe Kraft Co. ....	970
Cronkhite Inc., Leonard W. ....	1032
Daigger & Co., A. ....	1032
Dey & Co., Wm. H. ....	1038
Diamond Alkali Co. ....	1016
Doe & Ingalls ....	1032
Dovan Chem. Corp. ....	942
Dow Chemical Co., The ....	975
Dreyer, P. R. ....	1024
Drury & Co., A. C. ....	1032
DuPont de Nemours & Co., E. I. ....	1011
Eastman Kodak Co. ....	1013
Economic Machinery Co. ....	897
Electro Bleaching Gas Co. ....	3rd Cover
Excelsior Wrapper Co. ....	821
Federal Products Co., The ....	1031
Fergusson Jr. Alex. C. ....	1033
Fetter Steel Barrel Corp. ....	966
Fougera & Co., E. ....	946
Fries & Fries Co. ....	1028
Fritzsche Bros. ....	1026
General Chemical Co. ....	1005
General Dyestuff Corp. ....	818
Girard & Co. ....	1013
Grasselli Chemical Co. ....	1006
Grasselli Dyestuff Corp. ....	790
Gray & Co., William S. ....	1029
Greeff & Co., R. W. ....	1012
Hammill & Gillespie ....	852
Hoffman LaRoche Chemical Works ....	1007

(Continued on page 1038)

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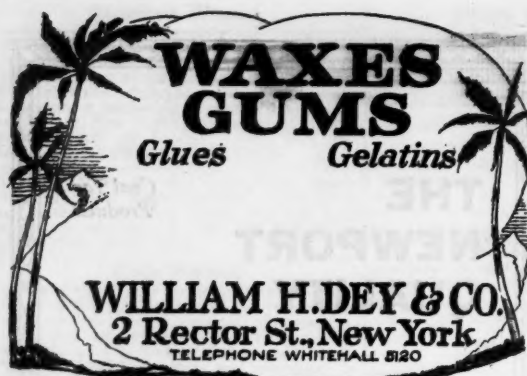
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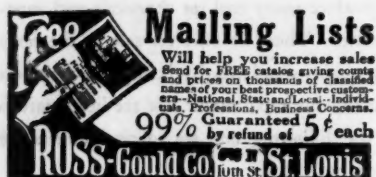


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## Index To Advertisers (Continued)

Howe & French .....	1032
Industrial Chemical Co. ....	1012
Innis, Speiden & Co., Inc. ....	1010
International Salt Co., Inc. ....	945
Jordan, Wm. E. & Bros. ....	1031
Kehoe, Robert P. ....	1034
Kessler Chemical Co., The ....	1035
King & Co., E. & F. ....	1032
Klipstein & Sons Co., E. C. ....	865
Lawson Corp., Wm. C. ....	1023
Lewis Mfg., F. J. ....	1034
Magnus, Mabee & Reynard Inc. ....	1027, 1028
Mallinckrodt Chemical Works ....	1007
Mann & Co., George ....	1033
Mathieson Alkali Works ....	977
Merchants Chemical Co. ....	1032
Merck & Co. ....	904
Merrimac Chem. Co. ....	890
Millard-Heath Co. ....	1033
Miner-Edgar Co. The ....	1004
Miner Laboratories ....	963
Monarch Nusbaum Paper Box Co. ....	978
Monsanto Chemical Works ....	1014
Morana, Incorporated ....	1025
Mutual Chemical Co. of America ....	891
National Industrial Alcohol Co. ....	1028
Newport Chemical Works ....	1019, 1037
New York Quinine & Chemical Works ....	1009
Niagara Alkali Co. ....	3rd Cover
Norvell Chemical Corp. ....	1020
Pacific Coast Borax Co. ....	1035
Parson & Petit ....	962
Penick & Co., S. B. ....	955
Pierce & Stevens ....	1033
Pfaltz & Bauer ....	968
Powers-Weightman-Rosengarten Co. ....	1003
Presman Company B. ....	1023
Raab & Co., H. ....	1028
Rhodia Chemical Co. ....	1024
Robins & Co., G. S. ....	1033
Rodgers Chemical Co. ....	1033
Roessler & Hasslacher Chemical Co., The ....	4th Cover
Rogers & McClellan ....	1032
Rohm & Haas Co. ....	940
Rolls Chem. Co. ....	1033
Ross-Gould Co. ....	1038
Rudloff F. ....	807
Seaboard Chemical Co. ....	1018
Seeley & Co. ....	882
Selden Co., The ....	1015
Sjostrom, C. G. V. ....	963
Solvay Process Co. ....	1017
Starkweather Co., J. U. ....	963
Sterling Borax Co. ....	1034
Suter & Co., Eugene ....	943
Technical Economist Corp. ....	1034
Thompson, Hayward Chemical Co. ....	1033
Uhe, Geo. ....	1028
Ulrich Chemical Co., The ....	1032
Ungerer & Co. ....	1025
U. S. Industrial Alcohol Co. ....	2nd Cover
Van Dyk & Co. ....	882
Victor Chemical Works ....	1010
Wiarda, John C. ....	970
Wilson Labs. ....	959
Wing & Evans ....	1017
Winkler & Bro. Co., Isaac ....	1018
Wirz, A. H. ....	978
Wishnick-Tumpeper Chem. Co. ....	1032
Wrackmeyer & Co. ....	1023



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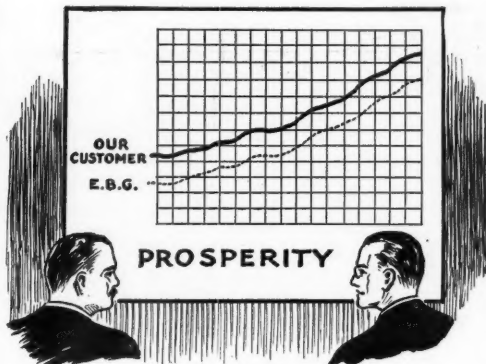
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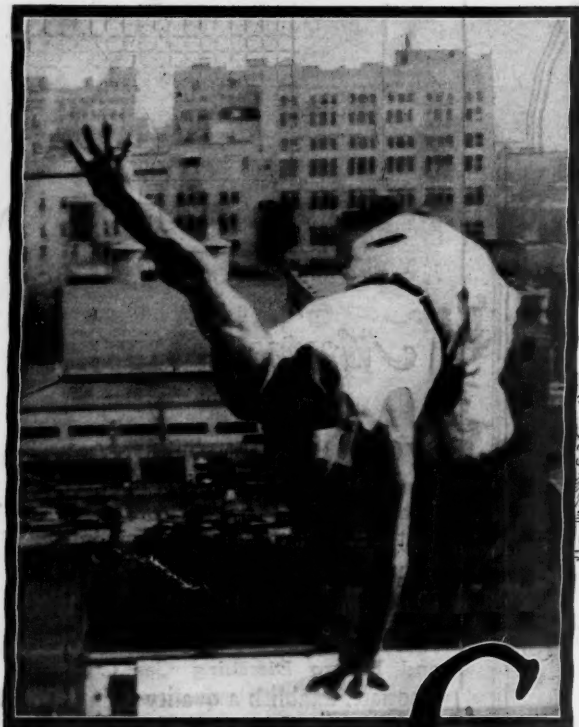
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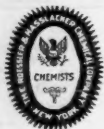
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43rd



Year

*The*  
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